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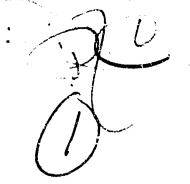
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## STRUCTURAL FLIGHT LOADS DATA FROM C-130E AIRCRAFT

LARRY E. CLAY W. WALLACE MORTON, JR.

TECHNOLOGY INCORPORATED

TECHNICAL REPORT SEG-TR-65-34

OCTOBER 1965

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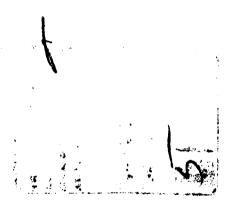
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#### **FOREWORD**

Under Contract No. AF 33(657)-9845, Technology Incorporated, Dayton, Ohio, instrumented thirty-five C-130E aircraft to collect flight loads data. The analysis and presentation of the processed data were to be governed by what was, in effect, two statements of work; actually, the original statement of work was expanded by a second research directive. The original statement of work, dated 13 August 1963, was termed "Structural Flight Loads Recording Program on C-130E Aircraft." The later directive was entitled "Turbulence Probability Study on C-130E Aircraft for Selected Air Routes" and dated 28 May 1964. Since the program began 12 November 1963, the request for the turbulence study came in the midst of the data collecting and processing. However, no disruption of nor modification to the data collection phase ensued; for the same data intended for the typical flight loads program was to be used for the turbulence study. Although the flight loads and turbulence studies include the same derived gust velocity data, the latter study grouped the data by season for each MATS route to determine the effects of seasonal and geographical variations. Because of the distinct aspects and bulk of data of the respective studies, the flight loads program as such appears in the report proper and the turbulence study in a supplement to the report.

The flight loads program was initiated by the Structures Division, Directorate of Airframe and Subsystems Engineering, Systems Engineering Group, Research and Technology Division, Wright-Patterson Air Force Base, Ohio. Lt. Joseph Madden, of the C-130 Systems Program Office, Aeronautical Systems Division, was the Air Force project monitor and Lts. Ned H. Sandlin and Raymond J. Veldman, both of the Structures Division, provided engineering support. Request for the expansion of the original statement of work to include the special turbulence study originated from Mr. Lloyd V. Mitchell, chief of Special Studies Branch, AWSAE/PSO, Headquarters Air Weather Service, Scott Air Force Base, Illinois. The collection of data ended 12 October 1964.

The key personnel of Technology Incorporated involved in this program were Mr. Joseph F. Braun, project engineer; Mr. Cyril G. Peckham, director of the Data Processing Division; Mr. John F. Nash, supervisor of the Data Reduction Section; and Mr. Kenneth L. Rickey, director of the Systems and Electronics Division.

The authors gratefully acknowledge the assistance given by personnel of the United States Air Force and of Technology Incorporated, particularly Dr. Alan P. Berens and Messrs. William E. Morrin and John R. Mitchell.

This report was submitted by the authors on 15 April 1965.

## ABSTRACT

To provide information for the derivation of the operational loads spectrum of C-130E aircraft, this report presents the 6317 hours of in-flight data processed during a C-130E structural loads program. Of the thirty-five C-130E's instrumented to collect the data, 20 were based at Charleston Air Force Base to fly MATS EASTAF transatlantic routes and 15 at Travis Air Force Base to fly MATS WESTAF transpacific routes. Four parameters basic to flight loads studies were recorded: time, airspeed, altitude, and normal acceleration at the aircraft center of gravity. Included among the variables derived from the basic parameters are equivalent maneuver load factor and derived gust velocity. Techniques used to process and analyze the data are discussed. A supplement to this report presents the derived gust velocities by season and MATS routes. None of the loads sustained by these aircraft exceeded the design limits.

#### PUBLICATION REVIEW

This technical report has been reviewed and is approved.

William B. MILLER
Chief, Structures Division

## TABLE OF CONTENTS

SECTION		PAGE
I	Introduction	1
II	Discussion	2
	A. Data Recording Program History	2
	Techniques	2
	<ol> <li>Data Recording System</li></ol>	2 2 5
III	Data Summary	8
IV	Conclusions	12
V	Recommendations	12
	References	1.00

## **ILLUSTRATIONS**

FIGURE		PAGE
1	View of C-130E Aircraft	1
2	Diagram and Tabulation of Maneuver Load Factors versus  Equivalent Airspeed — Weighted Composite for All Missions and Bases	1.2
		13
3	Average Duration of Flights by Mission Types for EASTAF	15
4	Average Duration of Flights by Mission Types for WESTAF	15
5	Average Duration of Flights by Mission Types for All Bases.,	16
6	Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission I (Long Range Logistics)	17
7	Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission II (Short Range Logistics)	17
8	Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission III (Training)	17
9	Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission IV (Aerial Delivery)	17
10	Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission I (Long Range Logistics)	18
11	Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission II (Short Range Logistics)	18
12	Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission III (Training)	18
13	Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission IV (Aerial Delivery)	18
14	Percentages of Total Flight Time Spent Below Given Altitudes	10

## ILLUSTRATIONS (cont'd)

FIGURE		PAGE
15	Percentages of Total Flight Time Spent Below Given Altitudes for Each WESTAF Mission Type	· 19
16	Percentages of Total Flight Time Spent at Selected Airspeeds  — EASTAF Mission I (Long Range Logistics)	20
17	Percentages of Total Flight Time Spent at Selected Airspeeds  - EASTAF Mission II (Short Range Logistics)	20
18	Percentages of Total Flight Time Spent at Selected Airspeeds  — EASTAF Mission III (Totaling)	20
19	Percentages of Total Flight Time Spent at Selected Airspeeds  — EASTAF Mission IV (Aerial Delivery)	20
20	Percentages of Total Flight Time Spent at Selected Airspeeds  — WESTAF Mission I (Long Range Logistics)	21
21	Percentages of Total Flight Time Spent at Selected Airspeeds  — WESTAF Mission II (Short Range Logistics)	21
22	Percentages of Total Flight Time Spent at Selected Airspeeds  — WESTAF Mission III (Training)	21
23	Percentages of Total Flight Time Spent at Selected Airspeeds  — WESTAF Mission IV (Aerial Delivery)	21
24	Percentages of Total Flight Time Spent Below Given Airspeeds for Each EASTAF Mission Type	
25	Percentages of Total Flight Time Spent Below Given Airsports for Each WESTAF Mission Type	
26	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — EASTAF Mission I (Long Range Logistics).	23
27	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges - EASTAF Mission II (Short Range Logistics)	23

## ILLUSTRATIONS (cont'd)

FIGURE		P	AGE
28	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—EASTAF Mission III (Training)		23
29	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—EASTAF Mission IV (Aerial Delivery)	•	23
30	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—WESTAF Mission I (Long Range Logistics).		24
31	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—WESTAF Mission II (Short Range Logistics).		24
32	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—WESTAF Mission III (Training)		24
33	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—WESTAF Mission IV (Aerial Delivery)		24
34	Percentages of Total Flight Time Spent Below Given Gross Weight Ranges for Each EASTAF Mission Type		25
35	Percentages of Total Flight Time Spent Below Given Gross Weight Ranges for Each WESTAF Mission Type		25
36	Percentages of Total Flight Time Spent at Selected Altitudes  — EASTAF and WESTAF Mission I (Long Range Logistics).		30
37	Percentages of Total Flight Time Spent at Selected Altitudes  -EASTAF and WESTAF Mission II (Short Range Logistics)	•	30
38	Percentages of Total Flight Time Spent at Selected Altitudes —EASTAF and WESTAF Mission III (Training)		30
39	Percentages of Total Flight Time Spent at Selected Altitudes - EASTAF and WESTAF Mission IV (Aerial Delivery)	•	30
40	Percentages of Total Flight Time Spent Below Given Altitudes		31

## ILLUSTRATIONS (cont'd)

FIGURE		PAGE
41	Percentages of Total Flight Time Spent Below Given Airspeeds for Each EASTAF and WESTAF Mission Type	31
42	Percentages of Total Flight Time Spent at Selected Airspeeds— EASTAF and WESTAF Mission I (Long Range Logistics)	32
43	Percentages of Total Flight Time Spent at Selected Airspeeds— EASTAF and WESTAF Mission II (Short Range Logistics)	32
44	Percentages of Total Flight Time Spent at Selected Airspeeds— EASTAF and WESTAF Mission III (Training)	32
45	Percentages of Total Flight Time Spent at Selected Airspeeds— EASTAF and WESTAF Mission IV (Aerial Delivery)	32
46	Percentages of Total Flight Time Spen. Below Given Gross Weight Ranges for Each EASTAF and WESTAF Mission Type	33
47	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—EASTAF and WESTAF Mission I (Long Range Logistics)	34
48	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—EASTAF and WESTAF Mission II (Short Range Logistics).	34
49	Percentages of Total Flight Time Spent Below Given Gross Weight Ranges—EASTAF and WESTAF Mission III (Training)	34
50	Percentages of Total Flight Time Spent in Selected Gross Weight Ranges—EASTAF and WESTAF Mission IV (Aerial Delivery)	34
51	Maneuver Load Factor Exceedance Curves for Each Base— Mission I (Long Range Logistics)	35
52	Maneuver Load Factor Exceedance Curves for Each Base— Mission II (Short Range Logistics)	35
53	Maneuver Load Factor Exceedance Curves for Each Base— Mission III (Training)	35

## ILLUSTRATIONS (Cont'd)

FIGURE		PAGE
54	Maneuver Load Factor Enceedance Curves for Each Base — Mission IV (Aerial Delivery)	35
55	Maneuver and Guel Load Factor Exceedance Curves — Weighted Composites for All Missions and Bases	. 36
56	Incremental Gust Load Factor Exceedance Curves for Each Base — Mission I (Long Range Logistics).	. 37
57	Incremental Gust Load Factor Exceedance Curves for Each Base — Mission II (Short Range Logistics)	. 37
58	Incremental Gust Load Factor Exceedance Curves for Each Base — Mission III (Training)	. 37
59	Incremental Gust Load Factor Exceedance Curves for Each Base — Mission IV (Aerial Delivery)	
60	Percent Design Limit Load Exceedance Curve for All Bases — Mission I (Long Range Logistics)	. 38
61	Percent Design Limit Load Exceedence Curve for All Bases — Mission I (Short Range Logistics)	. 38
62	Percent Design Limit Load Exceedance Curve for All Bases — Mission III (Training)	. 38
63	Percent Design Limit Load Exceedance Curve for All Bases — Mission IV (Aerial Delivery)	. 38
64	Percent Design Limit Load Exceedance Curve — Weighted Composite for All Missions and Bases	. 39
65	Gust Spectrum Based on Data from EASTAF	. 40
66	Gust Spectrum Based on Data from WESTAF	. 40
67	Gust Spectrum Based on Data from EASTAF and WESTAF	. 41
68	Standard Gust Spectrum (Reference 2)	. 41

## TABLES

TABLE		PAGE
1	Percentage of Total Flight Time by Mission Type and Base	8
2	Equivalent Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases	14
3	Incremental Gust Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases	14
4	Flight Time Spent in Simultaneous Ranges of Airc peed and Altitude — Composite for All Missions and Bases	16
5	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission I (Long Range Logistics)	26
6	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission I (Long Range Logistics)	26
7	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission II (Short Range Logistics)	27
8	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission II (Short Range Logistics)	27
9	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission III (Training)	28
10	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission III (Training)	28
11	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission IV (Aerial Delivery)	29
12	Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission IV (Aerial Delivery)	29
13	Derived Gust Velocity by Altitude — EASTAF	42
14	Derived Gust Velocity by Altitude - WESTAF	42

TABLE		P.	AGE
15	Derived Gust Velocity by Altitude — Composite for EASTAF and WESTAF		42
16	Equivalent Maneuver Load Factors by Aircraft Serial Number — Composite for All Missions		43
17	Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission I (Long Range Logistics)		44
18	Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission I (Long Range Logistics)		44
19	Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission II (Short Range Logistics)	•	45
20	Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission II (Short Range Logistics)		45
21	Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission III (Training)	•	46
22	Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission III (Training)		46
23	Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission IV (Aerial Delivery)		47
24	Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission IV (Aerial Delivery)		47
25	Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission I (Long Range Logistics)		48
26	Equivalent Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission I (Long Range Logistics)	•	48
27	Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission II (Short Range Logistics)		49

ABLE		F	AGE
28	Equivalent Maneuver Load Factors by Equivalent Airspeed WESTAF Mission II (Short Range Logistics)		49
29	Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission III (Training)		50
30	Equivalent Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission III (Training)	•	50
31	Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission IV (Aerial Delivery)	•	51
32	Equivalent Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission IV (Aerial Delivery)		51
33	Incremental Gust Load Factors by Equivalent Airspeed — EASTAF Mission I (Long Range Logistics)		52
34	Incremental Gust Load Factors by Equivalent Airspeed — WESTAF Mission I (Long Range Logistics)	•	52
35	Incremental Gust Load Factors by Equivalent Airspeed — EASTAF Mission II (Short Range Logistics)		53
36	Incremental Gust Load Factors by Equivalent Airspeed — WESTAF Mission II (Short Range Logistics)		53
37	Incremental Gust Load Factors by Equivalent Airspeed — EASTAF Mission III (Training)		54
38	Incremental Gust Load Factors by Equivalent Airspeed — WESTAF Mission III (Training)		54
39	Incremental Gust Load Factors by Equivalent Airspeed — EASTAF Mission IV (Aerial Delivery)	•	55
40	Incremental Gust Load Factors by Equivalent Airspeed — WESTAF Mission IV (Aerial Delivery)		55

TABLE			F	PAGE
41	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 85,000 to 95,000 lb	•	•	56
42	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 95,000 to 105,000 lb	•	•	57
43	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 105,000 to 115,000 lb	•	•	58
44	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 115,000 to 125,000 lb	•	•	59
<b>4</b> 5	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 125,000 to 135,000 lb	•	•	60
46	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 135,000 lb. and Above	•	•	ól
47	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: Below 85,000 lb	•	•	<b>62</b>
48	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 85,000 to 95,000 lb	•	•	63
49	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 95,000 to 105,000 lb		•	64
50	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 105,000 to 115,000 lb	•	•	65

ABLE		PAGE
51	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 115,000 to 125,000 lb	66
52	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 125,000 to 135,000 lb	_ 67
53	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 135,000 lb. and Above	68
54	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: Below 85,000 lb	69
55	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb	70
56	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb	71
57	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb	72
58	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb	73
59	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 to 135,000 lb	74
60	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 135,000 lb. and Above	75

TABLE		PAGE
61	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: Below 85,000 lb	75
62	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 85,000	73
	to 95, 000 lb	76
63	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 95,000	
	to 105,000 lb	77
64	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 105,000 to 115,000 lb	70
4-		78
65	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 115,000 to 125,000 lb	79
66	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 125,000 to 135,000 lb	
		79
67	Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 135,000 lb. and Above	80
68	Equivalent Maneuver Load Factors by Equivalent Airspeed and	
	Altitude — Mission I (Long Range Logistics)	81
69	Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics)	82
70	Equivalent Maneuver Load Factors by Equivalent Airspeed and	
	Altitude — Mission III (Training)	83
71	Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery)	84

TABLE		PAGE
72	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 85,000 to 95,000 lb	85
73	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 95,000 to 105,000 lb	. 86
74	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 105,000 to 115,000 lb	87
75	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 115,000 to 125,000 lb	88
76	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 125,000 to 135,000 lb	89
77	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission I (Long Range Logistics) — Gross Weight Range: 135,000 lb. and Above	90
78	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: Below 85,000 lb	. 91
79	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 85,000 to 95,000 lb	92
80	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 95,000 to 105,000 lb	. 93
81	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 105,000 to 115,000 lb	94
82	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) Gross Weight Range: 115,000 to 125,000 lb	95

TABLE		PAGE
83	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 125,000 to 135,000 lb	96
84	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics) — Gross Weight Range: 135,000 lb. and above	. 97
85	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: Below 85,000 lb	98
86	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 85,000 to 95,000 lb	99
87	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 95,000 to 105,000 lb	100
88	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 105,000 to 115,000 lb	101
<b>89</b>	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 115,000 to 125,000 lb	. 102
90	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 125,000 to 135,000 lb.	103
91	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission III (Training) — Gross Weight Range: 135,000 lb. and Above	104
92	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight Range: 85,000 to 95,000 lb	105

ABLE		PAGE
93	Incremental Gust Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery) — Gross Weight	
	Range: 95,000 to 105,000 lb	. 106
94	Incremental Gust Load Factors by Equivalent Airspeed and	
	Altitude — Mission IV (Aerial Delivery) — Gross Weight	
	Range: 105,000 to 115,000 lb	. 107
95	Incremental Gust Load Factors by Equivalent Airspeed and	
	Altitude - Mission IV (Aerial Delivery) - Gross Weight	
	Range: 115,000 to 125,000 lb	. 107
96	Incremental Gust Load Factors by Equivalent Airspeed and	*
	Altitude - Mission IV (Aerial Delivery) - Gross Weight	
	Range: 125,000 to 135,000 lb	. 108
97	Incremental Gust Load Factors by Equivalent Airspeed and	
	Altitude - Mission IV (Aerial Delivery) - Gross Weight	
	Range: 135, 000 lb. and Above	. 108
	<del>-</del>	

#### SECTION I

#### INTRODUCTION

To acquire structural flight loads data on C-130E aircraft, Technology Incorporated instrumented 35 of these aircraft; of these C-130E's, 20 were stationed at Charleston Air Force Base, South Carolina, and 15 at Travis Air Force Base, California. An in-flight view of a C-130E is shown in Figure 1. Presented in tabular and graphic form, the processed data will be used to derive the operational loads spectrum and possibly to revise the predicted loads spectra and fatigue analyses.

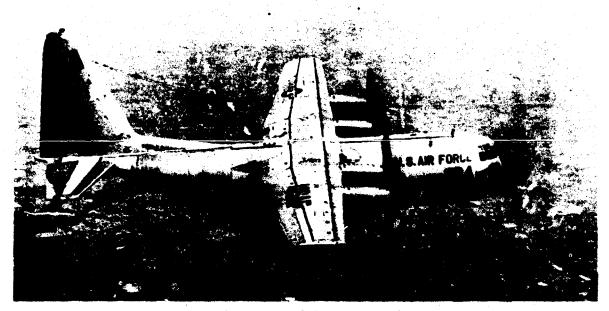


Figure 1. View of C-130E Aircraft.

Four in-flight parameters were recorded: normal acceleration at the aircraft center of gravity, airspeed, altitude, and time. As discussed later, the acceleration trace was measured whenever it peaked beyond prescribed thresholds. To permit the breakdown of the flight loads according to air base, mission type, route flown by season, and ranges of aircraft gross weight, as well as ranges of airspeed and altitude, supplemental data were extracted from various logs. These data included such items as air base, flight date, mission type, air base barometric pressure, route, and gross weight and time at takeoff and landing.

Presented in the following sections are a history of the data recording phase of the program; techniques for data recording, processing, and analysis; a discussion of the data; and an interpretative review of the processed data.

#### SECTION II

#### DISCUSSION

#### A. Data Recording Program History

The data presented in this report were acquired from 35 fully instrumented C-130E aircraft. Of these, 20 based at Charleston Air Force Base, South Carolina, flew MATS EASTAF transatlantic routes, and 15 based at Travis Air Force Base, California, flew MATS WESTAF transpacific routes.

Installation of the recording systems was started on 12 November 1963 and completed by 12 December 1963. Data were recorded between 12 December 1963 and 12 September 1964. All recording systems were removed by 12 October 1964. A total of 6317 flight hours of recorded data were processed and analyzed.

## B. Data Recording, Processing, and Analysis Techniques

## 1. Data Recording System

The VGH data recording system consisted of a Century Model 409 oscillograph, a bridge control unit, and strain gage type transducers. The oscillograph, bridge control unit, and pressure transducers for each of the aircraft at Charleston Air Force Base were installed in the cargo compartment near fuselage station 245, and like instruments for each of the aircraft at Travis Air Force Base were installed in the crew compartment near fuselage station 220. In each instrumented aircraft, an accelerometer was mounted on a bracket attached to the forward end of the wing box beam at fuselage station 517 and left buttock line 5. Detailed instrumentation and installation descriptions are given in Reference 1.

Each parameter was traced on a 3-5/8-inch-wide oscillogram by a reflected beam of light whose projection onto the photosensitive paper varied with the rotation of a galvanometer mirror in the oscillograph. Set to run at a constant speed of eight inches per minute, the oscillogram could record approximately 3-1/2 hours of in-flight data. Recordings at this speed precluded visually distinguishing acceleration peaks whose frequencies exceeded eight cycles per second. However, this limitation affected only high-frequency or fine-scale turbulence data whose acceleration values were normally within the reading threshold.

## 2. Data Processing

This program required deriving the following primary parameters:

 $n_z$  (maneuver load factor),  $n_{z_e}$  (equivalent maneuver load factor),  $\Delta n_z$  (incremental load factor caused by gust), and  $U_{d_e}$  (derived gust velocity). In addition, each of the primary parameter values was registered with the corresponding values of equivalent airspeed, altitude, gross weight, mission type, air base, aircraft tail number, season of the year, and MATS route.

Each section comprising the Data Reduction Department was responsible for the accuracy of a specific phase of the data reduction process. When checking data, personnel compared the reduced data with the original source, that is, the oscillogram and its corresponding supplemental data; also these personnel were particularly cognizant of the types of error revealed through experience. These types included misidentification of traces after crossovers and malfunction of the semiautomatic oscillogram reader.

Before the data were extracted from the oscillograms, the Editing Section reviewed each oscillogram to perform the following tasks: (1) on the basis of the data validity evidenced, determining whether an oscillogram should be accepted or rejected; (2) marking the points at which the acceleration, airspeed, and altitude traces must be measured; (3) determining the normal deflections of the traces; (4) measuring the preflight calibration deflections, and (5) transcribing the supplemental data. Oscillograms whose traces displayed evidence of instrument malfunctioning were removed from further processing, and the instrumentation engineer was informed of the apparent malfunction. The primary peak method was employed to identify and select the peaks to be marked for reading. Consequently, the maximum deflection of the acceleration trace between crossings of the 1.0-g line was marked whenever the peak went beyond a reading threshold. Whether or not such a point was actually beyond the prescribed thresholds of 1.1 and 0.9 g was determined by the computer. To ensure that valid peaks close to the thresholds would not be lost, the Editing Section used reading thresholds which were always less than the prescribed threshold. The reading threshold used was determined by the instrument whose calibration curve had the largest slope. Although some points below the prescribed threshold were consequently read, the computer did not interpret them as peaks.

The Editing Section marked the airspeed and altitude traces to permit the reproduction of their time histories. The traces were marked at time intervals which varied from 6 seconds during maneuvering to 2 minutes during cruise and at points where either trace changed direction. The Editing Section also measured the normal or zero position and the preflight calibration of each trace. These measurements were later sorted by instrument. To check for consistency, the Editing Section compared the measurements from each instrument with other current and past values from the same instrument. A history of these measurements was maintained. This procedure ensured accuracy and uniformity in determining the normal or zero deflections, since data from oscillograms generated by the same recording systems should show only slight variations.

After acceleration peaks had been selected for reading, the Editing Section separated them into two categories: maneuver and gust induced peaks. Separation was based on the following characteristics indicative of a gust occurence: (1) a jagged pattern in the airspeed trace, (2) frequent and random sharply pointed acceleration peaks with exponential decays, and (3) peak durations generally less than 2 seconds.

Four types of missions were established as being representative of normal C-130E flight operation. These missions are identified as follows:

Mission I	Long Range Logistics
Mission II	Short Range Logistics
Mission III	Training
Mission IV	Aerial Delivery

Alike inasmuch as they normally carried cargo and took off and landed at different bases, Mission I (Long Range Logistics) and Mission II (Short Range Logistics) flights were distinguished by flight duration: such flights greater than 5 hours were denoted Mission I; those less than 5 hours, Mission II. Normally involving local flying, Mission III (Training) flights consisted of transition, navigation, instrument, touch-and-go landing, and other flights having related maneuvers. Mission IV (Aerial Delivery) flights included actual and practice troop and cargo drops and ground-proximity cargo extractions.

After the Editing Section had readied the oscillograms for data extraction, they were forwarded to the Data Digitization Section which used Benson-Lehner semiautomatic readers in conjunction with IBM key punches. Experienced operators set the controls, aligned the oscillograms, and actuated the reader-key punch combination which automatically measured the deflections and transcribed the measurements onto punch cards. After printing out the digitized data, this section checked the conformity of the printout arrangement with the established format and compared the printout information with the oscillogram to ensure that the extracted data adequately reflected the trace delineations. Extreme acceleration values were checked by precise manual measurements of the corresponding peaks on the oscillogram; also the number of printed acceleration values had to correspond to the number of acceleration peaks marked on the oscillogram.

When the machine-measured data were checked out favorably by the Data Digitization Section, the printout together with the corresponding oscillogram was forwarded to the Quality Control Section, where the values on the printout were compared with the corresponding points on the oscillogram. The criteria for the Quality Control rejection of a record were twofold: (1) two discrepancies plotted outside the limits of the corresponding control chart and (2) continuance of discrepancies found to be either all positive or all negative, even though their plots were within the control limits. With the

initial detection of all positive or all negative discrepancies, the sample size was increased. Either cause for record rejection required return of the printout and corresponding oscillogram, along with the reason for rejection, to the supervisor of the Data Digitization Section. After informing the responsible machine operators of the type of error made, he determined the remedial action to be taken. In this manner, a uniformity in interpreting the trace deflections and in measuring the points was established and ensured maximum attainment of the accuracy capability of the system. From the 6317 hours of flight data, the Quality Control Section obtained, for all reading errors, a mean value of . 0009 g and a standard deviation of . 01 g. Consequently, 95 percent of the acceleration data should contain a reading error of less than .02 g; and 99.7 percent, an error less than .03 g. The standard deviation for airspeed was found to be 1.7 knots at 200 knots and that for altitude was 175 feet at 20,000 feet. Therefore, for the above conditions, the 95-percent confidence limits are 3.4 knots and 350 feet, and the values for a 99.7-percent accuracy are 5.1 knots and 525 feet.

After the Quality Control Section had found the accuracy of the digitized data acceptable, the data were processed on the IBM 7094 computer facility at Wright-Patterson Air Force Base. In addition to performing the calculations prescribed, the computer checked all data against theoretical values extracted from Reference 2, as well as against the normal operational ranges. Whenever an airspeed or altitude range was not represented by a measured data point, the computer interpolated a value and made a note of the interpolation in a comments column on the computer printout. In addition, a comment was made for any single value and combination of values of airspeed, altitude, fuel weight, and gross weight which fell outside the normal operational ranges.

Upon receiving the computer printout, the Data Output Section checked all the significantly high and low values of each of the VGH parameters, as well as each of the comments, against the corresponding oscillograms. Correlations of these high and low values on the printout with those on the oscillogram served to check the normal values, the calibration values, and the computer operation. In addition to the above checks, this section compared the distributions of all the parameter values with those expected. If the Data Output Section detected any errors in a printout, the errors were corrected and the data of the entire flight was reprocessed through the computer.

If the Data Output Section found the computer printout satisfactory, the data for each recorded flight was then integrated with the data from other flights.

#### 3. Data Analysis Techniques

Exceedance curves, defined as the number of flight hours required to reach or exceed given peak values of the maneuver load factors, were

prepared for each of the four mission types and for each of the two bases. In addition, data from each mission type were combined to prepare composite exceedance curves which would be indicative of the load spectrum to be expected during normal aircraft operations. However, combining the data required using special weighting factors since the distribution of the recorded flight time among the four mission types differed from the distribution of the average time of the two wings in these mission types.

The following equation was used to calculate the derived gust velocity  $\{U_{d_e}\}$  for each gust-induced acceleration:

$$U_{d_e} = \frac{1.1850 \cdot W \cdot \Delta n_z}{m \cdot \rho_o \cdot S \cdot V_e \cdot K_g}$$

where

U<sub>d<sub>p</sub></sub> = derived gust velocity in ft/sec

W = gross weight in pounds

 $\Delta n_z$  = incremental gust load factor =  $n_z - 1.0$ 

m = lift curve slope (per radian)

 $\rho_0$  = sea level density = .0023779 slugs/ft<sup>3</sup>

S = wing area =  $1745 \text{ ft}^2$ 

V<sub>e</sub> = equivalent airspeed in knots

Kg = gust factor, defined as follows

$$K_g = \frac{0.88 \mu_g}{5.3 + \mu_g}$$

and

$$\mu_{g} = \frac{2W/\rho_{o}}{m \cdot \sigma \cdot \bar{c} \cdot S \cdot g}$$

where

g = acceleration of gravity = 32.174 ft/sec<sup>2</sup>

 $\sigma$  = density ratio  $\rho/\rho_0$ 

c = mean aerodynamic chord = 13.7 ft.

ρ = density, siugs/ft<sup>3</sup>

Substitution of the constant values into the equation for Ud, yields

$$U_{d_e} = \left[ 1573 \sigma + 0.3248 \frac{W}{m} \right] \frac{\Delta n_z}{V_e}$$

where the lift-curve slope m for the C-130 is defined for Ve as follows:

V<sub>e</sub> ≥ 150 knots

1/m = 0.1460

and

V < 150 knots

 $1/m = 0.1160 + (9x10^{-7})h + 0.016(0.01V_e-1) (4 - 0.0001h)$ 

h = pressure altitude in feet

These equations for lift-curve slope m are curve-fits of the aerodynamic data presented in Reference 3. Although Reference 3 pertains to the C-130B, the similarity of this aircraft with the C-130E permits using the C-130B aerodynamic data to compute the lift-curve slope for the C-130E.

The following relationship was used to calculate the equivalent maneuver load factor,  $n_{z_e}$ , for each maneuver induced acceleration:

$$n_{z_e} = \frac{w_i}{w_d} \cdot n_z$$

where

 $n_z = maneuver load factor$ 

W; = instantaneous gross weight

W<sub>d</sub> = design gross weight = 108,000 lbs.

Rather than using  $n_{z_e}$  as such in the development of the exceedance curves, the percent design limit load, PDLL, defined as follows, was used as the descriptive parameter:

PDLL = 
$$\frac{W_i \cdot n_z}{W_d \cdot n_{z_d}} \times 100$$
,

or in terms of nze,

$$PDLL = \frac{n_{z_e}}{n_{z_d}} \times 100$$

where  $n_{zd}$  = design limit load factor = 3.00.

#### SECTION III

#### DATA SUMMARY

The in-flight loads sustained by an aircraft are a function of both the type of mission it flies and the air base from which it operates. To derive an accurate single composite, or summary, of the data representative of aircraft of the same type flying various types of missions and operating from different air bases, the recorded time must be distributed by mission type and air base in the same proportion as the total wing time. Wing time, as considered here, is the total time flown by all C-130E aircraft assigned to a specific wing. Consequently, the percentage of recorded time for each mission type and air base combination should be identical to the percentage of total wing time. But, since not all the aircraft at a base were instrumented for this flight loads program, the recorded times were not so distributed, as evidenced in Table 1. To have attempted to acquire such a distribution during the data collection period would have required an unduly excessive effort. Consequently, it was decided to adjust, or "weight," the recordings during the data analysis to derive equivalent data properly related to the wing flight time.

Table :

Percentage of Total Flight Time by Mission Type and Base

Mission I II	Charlest	on AFB	Travis	AFB	All Bases		
Mission	Recorded Time	Wing Time	Recorded Time	Wing Time	Recorded Time	Wing Time	
1	24.42	36.41	34.53	24.58	58. 95	60.99	
n	14.22	19.03	2.41	2.81	16.63	21.84	
ш	9. 97	8.57	10.74	5.64	20.71	14.21	
IA	. 88	1.03	2.83	1.93	3.71	2.96	
All Missions	49.49	65.04	50.51	34. 96	100	100	

In the computation of the weighted composite tables, the number of peaks in each data block from each mission type and air base was multiplied by the corresponding ratio of wing time to recorded time. Then the products for each data block were summed over all mission type and air base combinations to yield the weighted composites. Since the ratios used were not integers, the accumulated load factors in the weighted composites contain decimals.

With the exception of the weighted composite tables, all load factor distribution tables presented in this report are photographic reproductions of the computer printout. Since during the printout the computer rounded off to the nearest tenth of a minute the times for the individual airspeed ranges, the sum of these times does not always equal the total given in the table.

The derived gust velocity,  $U_{d_e}$ , was computed for each measurement of the incremental gust load factor,  $\Delta n_z$ . Because of the relationship between  $U_{d_e}$  and  $\Delta n_z$ , the  $\Delta n_z$  threshold of 0.1 g imposed a corresponding but much more complex threshold on  $U_{d_e}$ . Investigation showed that all potential  $U_{d_e}$ 's above 5 feet per second were computed whenever the airspeed exceeded 150 knots and all those above 10 feet per second were computed without exception. The  $U_{d_e}$ 's between 5 and 10 feet per second which were not computed corresponded to  $\Delta n_z$ 's below 0.1 g with heavy gross weights and airspeeds less than 150 knots. However, about 25 to 30 percent of the  $\Delta n_z$ 's below 0.1 g were measured since the threshold actually used in the data reduction was less than 0.1 g. Although the computer discarded the  $\Delta n_z$ 's less than 0.1 g, it retained the corresponding  $U_{d_e}$ 's which equalled or exceeded 5 feet per second. Nevertheless, some bias obviously remains in the  $U_{d_e}$  data in the range of 5 to 10 feet per second.

Figure 2 shows a V-n diagram of  $n_z$  data along with a tabulation of this information. The symbols in this figure denote the number of maneuver load factors in combinations of airspeed and load factor ranges. Taken from Reference 2, the envelope shown on the V-n diagram indicates the design operating limits for a C-130E flying at 108,000-pound gross weight and under sealevel conditions. As evidenced by the diagram and its accompanying tabulation, the design limit load factor of 3.0 g was not exceeded in the data acquired during this program. Tables 2 and 3 present, respectively, tabulations of  $n_{\rm Ze}$  and  $\Delta n_{\rm Z}$  data.

Figures 3 and 4 represent the average duration of flights for each mission type and each base and indicate that the flights of WESTAF are longer in duration than those of EASTAF. Figure 5 shows this information for both bases combined.

Presented in Table 4 is a composite tabulation of flight times recorded at various airspeeds and altitudes.

Figures 6 through 13 show in histogram form the percentages of the time that was recorded for each of the four mission types in various altitude ranges

for each base, and Figures 36 through 39 are composite histograms to include the data of both bases. To facilitate comparison of the time recorded by the four mission types at various altitudes, Figures 14 and 15 present the percentages of time that the aircraft spent below given altitudes for each mission type and each base; and Figure 40 gives a composite of these percentages to include the data of both bases. Mission I (Long Range Logistics) and Mission II (Short Range Logistics) flights spent the most time at high altitudes, generally between 20,000 and 25,000 feet, because they were normally transoceanic or crosscountry flights. Mission III (Training) and Mission IV (Aerial Delivery) flights spent the most time at low altitudes since the former were normally local training flights including touch-and-go landings and the latter made low-level troop and cargo drops and ground-proximity cargo extractions.

Figures 16 through 23 show in histogram form the percentages of the time that was recorded for each of the four mission types in various airspeed ranges for each base, and Figures 42 through 45 are composite histograms to include the data of both bases. Giving the percentages of time that the aircraft spent below given airspeeds for each mission type, Figures 24 and 25 for each base and Figure 41, a composite to include both bases, indicate that the four mission types varied little in overall airspeed performance.

Figures 26 through 33 show in histogram form the percentages of the time that was recorded for each of the four mission types in various gross weight ranges for each base, and Figures 47 through 50 are composite histograms to include both bases. Figures 34 and 35 present the percentages of time that the aircraft spent below given gross weight ranges for each mission type and each base and Figure 46 gives a composite of these percentages to include both bases. Mission I (Long Range Logistics) and Mission II (Short Range Logistics) flights flew the most at heavy gross weights since they were loaded with cargo for transoceanic or cross-country delivery. Mission III (Training) flights normally carried no cargo, and Mission IV (Aerial Delivery) flights frequently used light-weight bean bags to simulate heavy cargo drops.

Tables 5 through 12 show the flight times recorded in combinations of equivalent airspeed, altitude, mission type, and base.

Maneuver load factor exceedance curves depicting the time required to reach or exceed given maneuver load factors are presented in Figures 51 through 54 for each mission type and air base. The exceedance values of Mission III (Training) data for the EASTAF flights are slightly more severe than those for the WESTAF flights. The values of Mission I (Long Range Logistics), Mission II (Short Range Logistics), and Mission IV (Aerial Delivery) data for the EASTAF and WESTAF flights are about the same. A comparison of the maneuver load factor exceedance curves in the C-130E data with those in the C-130A and C-130B data (see Reference 5) indicates that the curves in the corresponding missions are quite similar. Figure 55 presents a weighted exceedance curve which is a composite of the maneuver and gust load factors

for all missions and bases. This figure indicates that the maneuver load factor data is more severe than the gust load factor data. Figures 56 through 59 show incremental gust load factor exceedance curves for each mission type and base. It is apparent from these curves that the EASTAF flights in all mission types incurred gust loads of greater severity than those encountered in the WESTAF flights. The gust loads in the C-130E missions are less severe than those in the corresponding C-130A and C-130B missions. The lesser severity of the former was due to the C-130E aircraft flying at higher altitudes. Similar curves for percent design limit load (PDLL) are given in Figures 60 through 64. The weighted composite PDLL curve in Figure 64 indicates that the C-130E aircraft did not exceed the design limit load during the recorded flights.

The distances in nautical miles required to reach or exceed given derived gust velocity values are given for selected altitude ranges in Figures 65 through 67. The Ude's encountered by the EASTAF flights were more severe than those experienced in the WESTAF flights. Taken from Reference 4, the standard gust spectrum in Figure 68 provides a basis of comparison for the C-130E gust spectrum shown in Figures 65 through 67. The frequencies of Ude values as a function of altitude with the nautical miles flown in each altitude range are given in Tables 13 through 15.

Table 16 shows the equivalent maneuver load factors by aircraft serial number. The in-flight hours recorded and the airframe hours logged during the instrumentation period are also given for each aircraft.

Tables 17 through 24, 25 through 32, and 33 through 40 present, respectively, for mission type and each base, tabulations of maneuver load factors versus equivalent airspeed, equivalent maneuver load factors versus equivalent airspeed, and incremental gust load factors versus equivalent airspeed.

Tables 41 through 67 and 72 through 97 present, respectively, for each mission type and by gross weight and altitude breakdown, tabulations of maneuver load factors versus equivalent airspeed and incremental gust load factors versus equivalent airspeed. Tables 68 through 71 present tabulations of equivalent maneuver load factors versus equivalent airspeed by altitude for each mission type.

#### SECTION IV

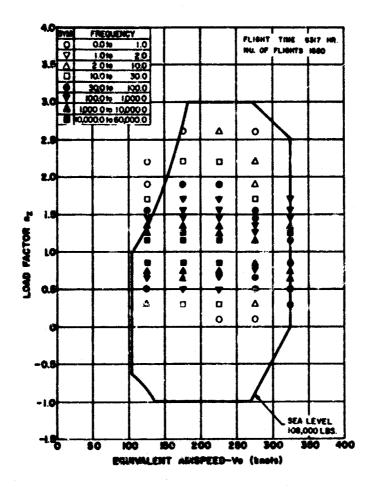
#### **CONCLUSIONS**

- 1. None of the C-130E sircraft instrumented during this program recorded any maneuvers or gusts whose load factors exceeded the 3.0-g design limit. The maximum and minimum load factors were 2.72 and -0.64 g produced, respectively, by a maneuver and a gust.
- 2. The gust spectrum for all C-130E data is less severe in each altitude range than the standard gust spectrum taken from Reference 2. The C-130E gust spectrum is bias-free for all values of Ude above 10 feet per second at all airspeeds and above 5 feet per second at airspeeds of 150 knots and more.
- 3. The four missions arranged in the order of most to least severe exceedance curves are as follows: Aerial Delivery, Training, Short Range Logistics, and Long Range Logistics.
- 4. The maneuver load factors in the C-130E data equal the magnitude of those in the C-130A and C-130B data (see Reference 5), but have a slightly lower frequency.
- 5. For all C-130E load factor ranges, the maneuver load factors occurred more frequently than the gust load factors. As indicated in Reference 5, the converse exists in the C-130A and C-130B data for the load factors of 1.6 and below. This reversal is ascribed to the C-130A and C-130B aircraft having 50 percent of their flight time below 5000 feet, where most gusts are encountered, and the C-130E's having only 20 percent below this altitude.

#### SECTION V

### **RECOMMENDATIONS**

Because of the large amount of gust data accumulated during the last six years from this and other flight loads programs and the better homogeneity of these data due to improved instrumentation and recording methods, these data should be used to re-evaluate the gust spectrum defined in Reference 2.



	EVV		EGUNALERI AMSPEED -V, \$0007\$)							
PA	DAD ICTO (pr		80.00 190	18C 70	\$150 16 280	250 250 350 150 250 300 350 A60VE				
1.00	A	OVE			,					
24	10	24		. 84	3, 10	, 84			4.0	
\$10	10	24	. 84	15. 43	16.24	3. 44			36.1	
1.0	16	2.)		32, 97		4.04			73.7	
	10	I	14, 15	73. 6	121.44	12.09	1, 73		340.0	
	75	14	10. 65	334.79	187.90	12.44	1. 72		640.9	
1.4	10	1.5	11.511	923, 52	499, 17	70 .17	1,24		1999.3	
- 1	N	14	2011.25	3012.14	1492.77	233, 20	3.42		7825.1	
_1.4	10	_1,1	9077.44	4919.34		MA 92	10.74		12004.5	
	N	1.1	41397.14	352 (88. 34		\$157. KI	41.30			
0.5	76	0.1	19412.90	1842.41	18742.11	1264.17	22, 28		1784A.4	
-07	76	_64	4179.12	4317.00		140.23	2.24		14094	
0.8	70	0.7	_172_17	1107.01	819.86	94.92	2.14		2799.3	
. 94		- 84		34.40	27 . 73	11.11	44.		672.2	
61	70	<u> </u>		12.55					43.0	
-98		.94			. 64	. 33				
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7074	L'AN	i a	87198.97	121740. 34	41110 40	4720. 81	89. 62		274961.1	

Figure 2. Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed—Weighted Composite for All Missions and Bases

Equivalent Maneuver Loud Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

Table 2

MANEUVER		EQU	EQUINALENT ARSPEED -V. 8010789				
LOAD FACTOR (Pzg)	BELOW 150	150 70 200	200 T0 250	250 10 300	360 70 350	350 3 ABOVE	NO. <sup>0</sup> Z <sub>0</sub>
Z.SB ABOVE			1.49				1.49
24 TO 28			. 36				. 86
20 TO 24		11.33	9.93	3.29			24.55
1.8 TO 2.0	9.43	99.06	42. 36	16.00	. 71		167.56
1.6 TO 1.6	288. 15	1138.53	416, 90	67.23	2.14		1932. 95
1.5 10 1.6	824. 91	2901.22	1250.07	132, 81	2. 43		5111.44
1.4 TO 1.8	1419.88	5709. 42	3130.92	204. 90	2. 81		10467.93
1.3 TO 1.4	2436.27	9195.90	6100.58	452.08	8. 23		18193.06
1.2 TO 1.3	7012. 82	17605.03	9455, 38	862, 15	12, 17		34947.45
1.1 TO L.	18104 40	30395.04	17875.29	1524.99	35, 19		67934. 95
0.8 fc 0.9	23626. 99	29491.76	15230.57	1013.48	21.06		69383.86
0.7 70 0.8	18101, 28	14205.93	8086, 84	477.11	4, 63		44879.79
0.6 TO 0.7	3049.22	3566, 70	1685.55	115.90	2, 24		3419. 61
34 70 04	379, 97	672, 77	501, 32	50, 15	. 86		1605.07
0.2 10 0.4	7, 37		24.19	3, 82	1, 72		58.76
0.0 TO 0.2			. 86	. 53			1. 59
MILOW GO							I
TOTAL NO. 34	75260.69	119014, 39	63813.01	4944, 44	94. 19		263126. 72

Table 3

Incremental Gust Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

MATERIAL .		60%	-	MEED-Y M	TOTAL		
FACTOR (A o, )	UELOW 190	180 70 800	\$00 200	290 20 300	300	3 po	40
100 1500							
14.70 LB						400 mil - 400 mil - 400 mil	
LO W. LA							
40.0	. **	1.17	2.49				4.3
06 10 05	1.11	3.3	44.17	3,95			
TT 13 31	14.10	34.33	172.74		1.72		191.3
64 10	91.00	354.18	472.43	80. 74 I	1.57		1201.
63 19 64	E L M	1776.11	2041.34	204.23	42		
_01.1461	****	3035.01	12132.04	947.74			27743.9
	MATE IS	42100	143	3902. AA	181.431		TENENT.
	HALL S	17444	ANGLES.	377.11	91.461		14444
	_3257***	- MARAN	LUPPA PA	791.76	14.12		
- M M - SI	111.41	1449.77		218.44	الدين		4172
- 14 19 - 14		141.13				····	
- 44 73 - 44	1.72	18.00					
-10 10-41							
							لىلىسىل
TOTAL HALA	76252, 71	130393.10	nasias as	10133.49	204.10		367629.0

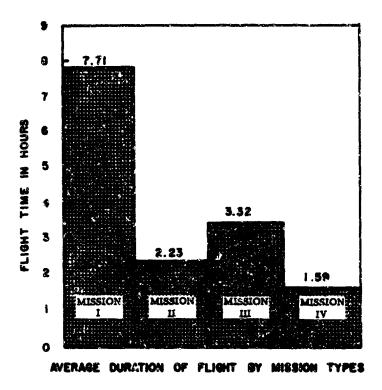


Figure 3. Average Duration of Flights by Mission Types for EASTAF

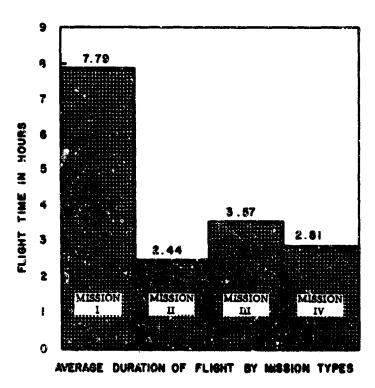


Figure 4. Average Duration of Flights by Mission Types for WESTAF

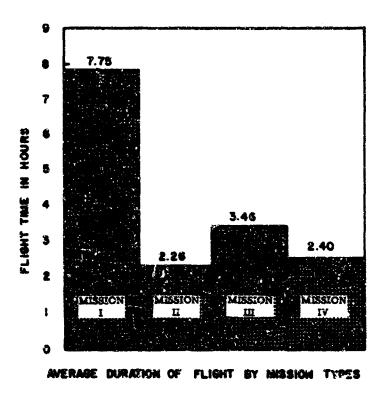
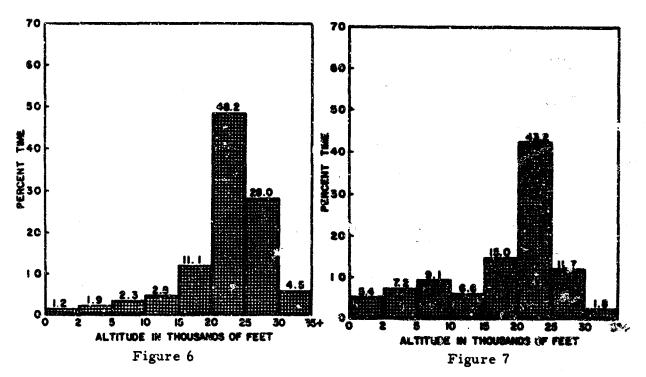


Figure 5. Average Duration of Flights by Mission Types for All Bases

Table 4

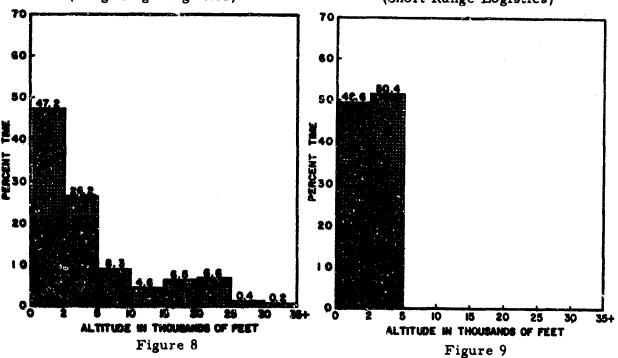
Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Composite for All Missions and Bases

PRESSURE		EQL	AVALENT AIR	SPEED -V. (	KNOTS)		TOTAL	
ALTITUDE (FEET)	BELOW 150	150 TO 200	200 70 250	250 TO 300	300 TO 350	350 & ABOVE	TIME (MIN.)	
0- 2,000	19115.9	13837.9	6281.8	291.1	2.9		39529.7	
2,000 - 5,000	7300.7	20347.4	10347.6	782.8	18.9		38797.4	
5,000-10,000	966.5	11885.1	6472.4	1059.9	38.5		20422.4	
10,000 - 15,000	528.1	9527.7	5610.8	815.2	15.0		16496.8	
15,000-20,000	423.7	17243.7	35224.7	1942.8	8.9		54843.7	
20,000-25,000	410.2	78628.2	63107.3	1060.8			143206.5	
25,000-30,000	185. 2	49108, 2	9636.6	4.2			58934.2	
SO.OOOBABOVE	42.8	6175.3	576.0				6794.1	
OTALTIME (MINL)	28973.0	206753.5	137257.3	5956, 8	84. 2		379024.8	

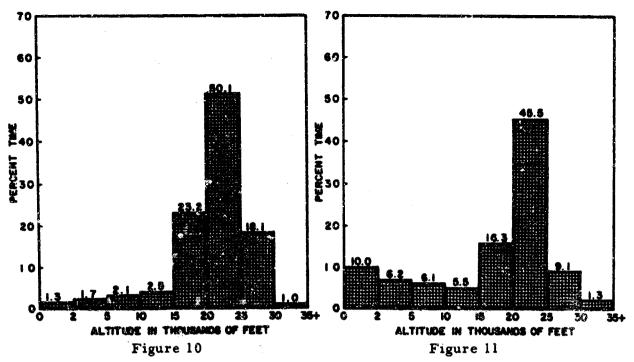


Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission I (Long Range Logistics)

Selected Altitudes - EASTAF Mission II (Short Range Logistics)

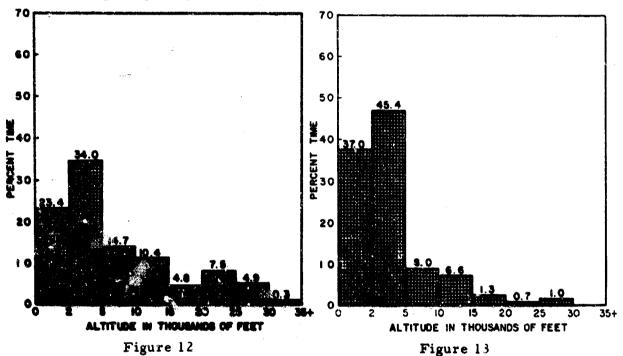


Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF Mission III Selected Altitudes — EASTAF Mission IV (Training) (Aerial Delivery)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission I (Long Range Logistics)

Selected Altitudes—WESTAF Mission II (Short Range Logistics)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—WESTAF Mission III Selected Altitudes—WESTAF Mission IV (Training) (Aerial Delivery)

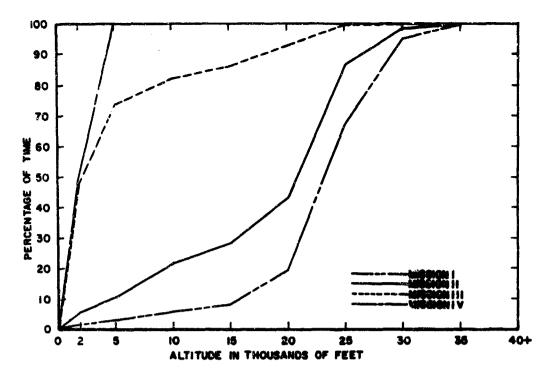


Figure 14. Percentages of Total Flight Time Spent Below Given Altitudes for Each EASTAF Mission Type

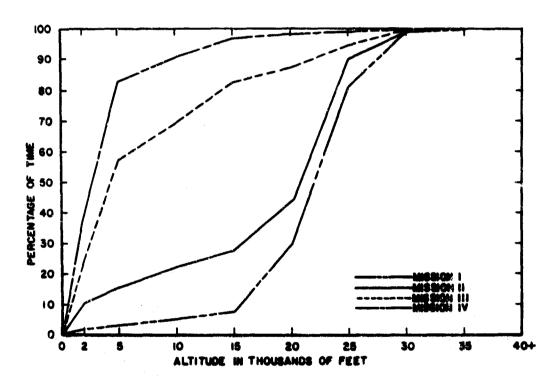
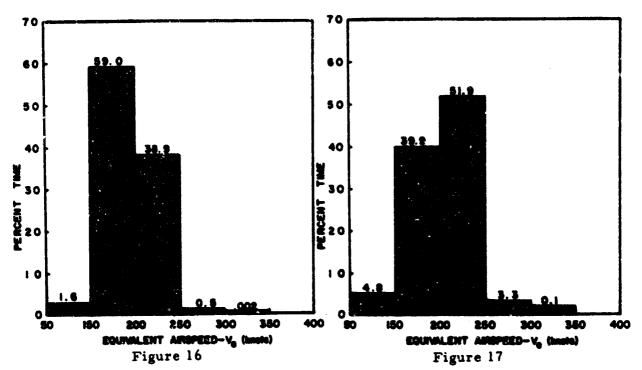
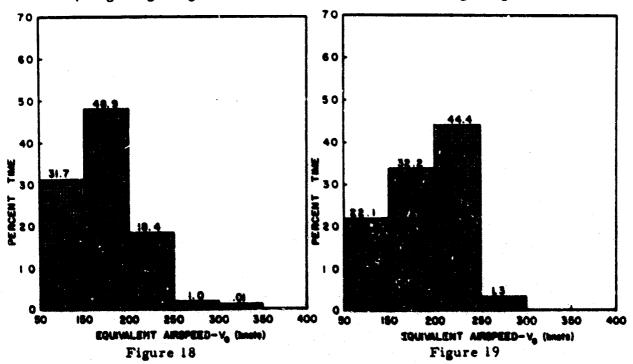


Figure 15. Percentages of Tota' Flight Time Spent Below Given Altitudes for Each WESTAF Mission Type

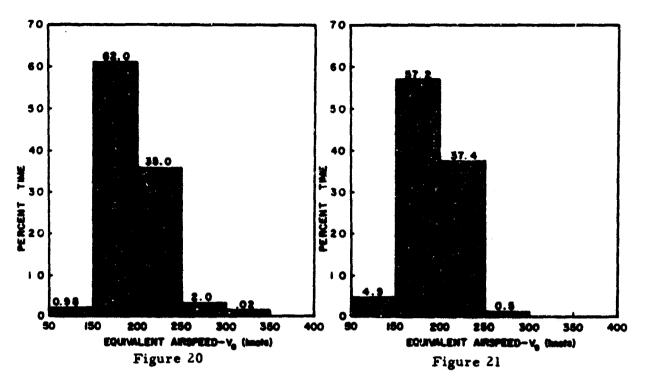


Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds—EASTAF Mission I (Short Range Logistics)

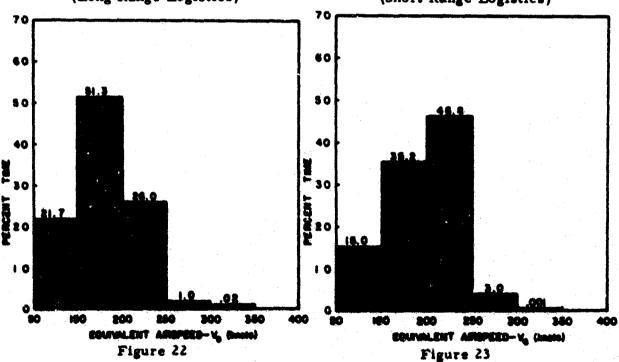
(Short Range Logistics)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds—EASTAF Mission III Selected Airspeeds—EASTAF Mission IV (Training) (Aerial Delivery)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds—WESTAF Mission I Selected Airspeeds—WESTAF Mission II (Short Range Logistics)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds—WESTAF Mission III Selected Airspeeds—WESTAF Mission IV (Training) (Aerial Delivery)

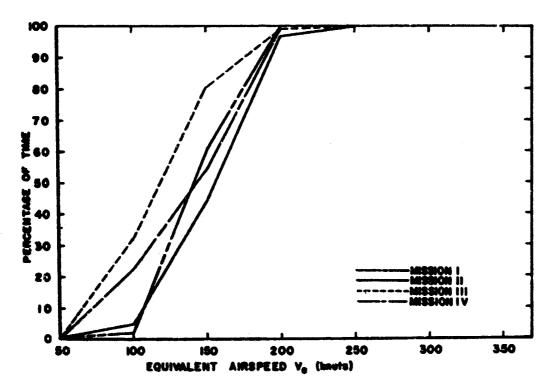


Figure 24. Percentages of Total Flight Time Spent Below Given Airspeeds for Each EASTAF Mission Type

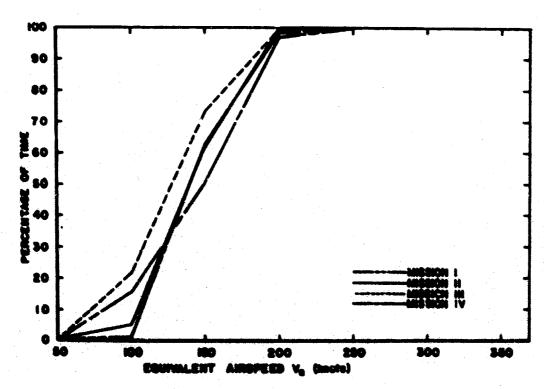
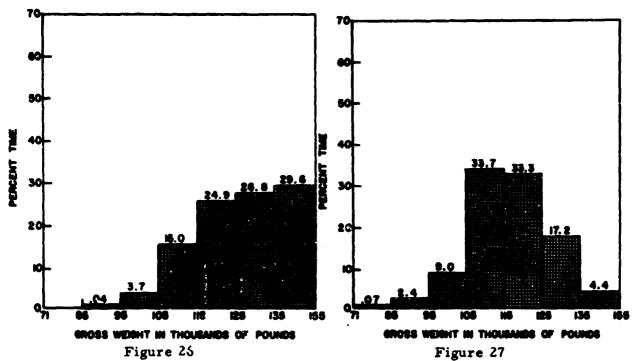
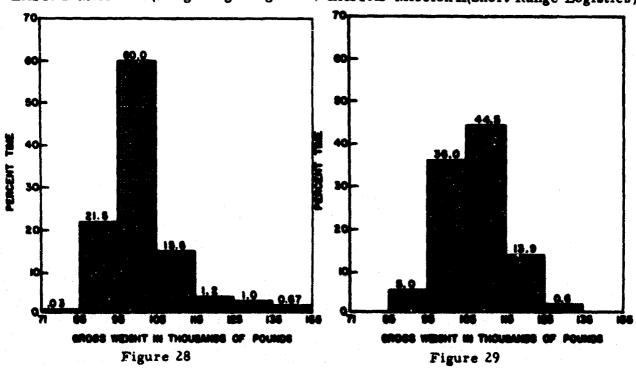


Figure 25. Percentages of Total Flight Time Spent Below Given Airspeeds for Each WESTAF Mission Type



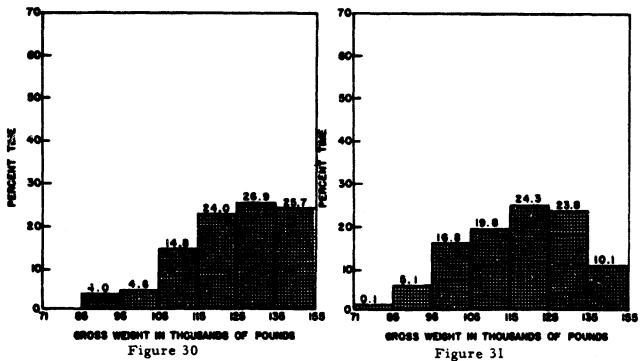
Selected Gross Weight Ranges

Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges EASTAF Mission I (Long Range Logistics) EASTAF Mission II(Short Range Logistics)

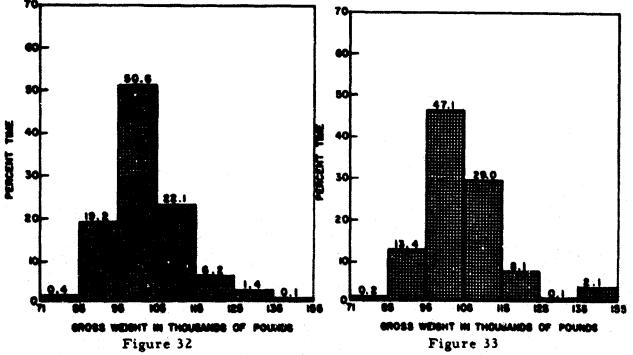


Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges EASTAF Mission III (Training)

Selected Gross Weight Ranges EASTAF Mission IV (Aerial Delivery)



Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges Selected Gross Weight Ranges WESTAF Mission I (Long Range Logistics) WESTAF Mission II (Short Range Logistics)



Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges

WESTAF Mission III (Training)

WESTAF Mission IV (Aerial Delivery)

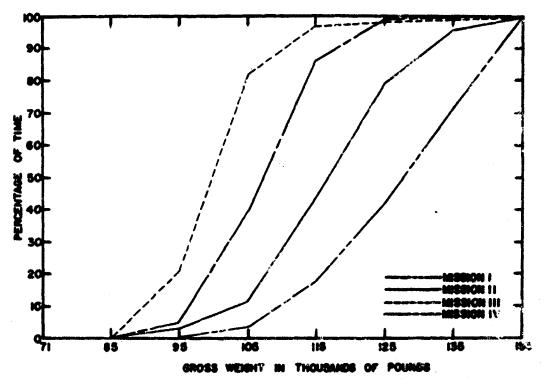


Figure 34. Percentages of Total Flight Time Spent Below Given Gross Weight Ranges for Each EASTAF Mission Type

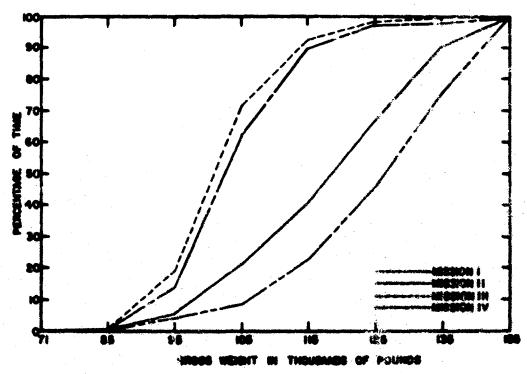


Figure 35. Percentages of Total Flight Time Spent Below Given Gross Weight Ranges for Each WESTAF Mission Type

Table 5

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission I (Long Range Logistics)

PRESSURE		E	DUIVALENT AI	RSPEED -Ye (	KNOTS)		TOTAL	
ALTITUDE (FEET)	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 B ABOVE	TIME (MIN.)	
0- 2,000	631.8	430.5	22.8	1.0			1086.2	
2,000 - 5,000	426.4	1068.2	254.7	35.2	0.2		1784.7	
5,000-10,000	39.5	1412.5	618.0	88.5	1.1		2159.6	
0,000- 15,000	37.0	1660.1	652.6	190.3	0.3	]	2540.4	
ROCC-50000	108.0	3496.7	6561.9	Lui.7			10278.4	
25,000 - 25,000	142.7	121510.9	22926.3	37.6			44617.8	
25,000-30,000	90.7	21370.5	4412.7	1.7			25875.6	
GOOG ASOVE	9.5	3651.8	543.6				4204.9	
OTALTINE (MIN.)	1485.7	54601.3	35992.8	466.3	1.6		92547.6	

Table 6

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission I (Long Range Logistics)

PRESSURE		EQUIVALENT AIRSPEED -Va (KNOTS)												
ALTITUDE (FEET)	SELOW ISO	(50 TO 200	200 70 200	250 10 300	300 10 350	350	TOTAL TIME (MIN.)							
0- 8,000	770, 2	775.0	103.3	11.7	0.4		1660.7							
2,000 - 5,000	319.4	1326.6	553,5	64.5	3.8		2267.7							
5,000-10,000	22, 9	1761.8	904.0	91.6	11.0		2791.3							
10,000 - 15,000	1,8	2264.6	849.5	84.6	7.6		3208.1							
6.000-20.000	57,8	\$504,4	20386.9	1457.4	6.1		30412.6							
20,000 - 25,000	80,5	43368. 9	21242.8	841.4			65533.5							
00006-000.85	23.3	21844.9	1790.3	2,0			23660.5							
SOCOOR SOYE	5.0	1311.4					1319.4							
TOTAL TIME (MINU)	1283. 9	81157. é	45830.2	2553.1	28.9		130853.8							

Table 7

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission II (Short Range Logistics)

PRESSURE		EQ	JIVALENT AIR	SPEED -V. (M	(NOTS)		TOTAL	
ALTITUDE (FEET)	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 ABOVE	TIME (MIN.)	
0- 2,000	1620	1023.7	233.2	39.4	2.2		2919.5	
2,000 - 5,000	671.7	1392.6	1009.6	297.1	10.9		3882,0	
5,000-10,000	49.7	1775.2	2439.6	637.8	23, 1		4925.5	
10,000 - 15,000	53.0	1714.4	1339.4	433.5	3.2		3543.5	
15,000-20,000	85.2	2346.7	5347.5	312.3	1.3		8092.9	
20,000-25,000	85.9	8422.6	14739.2	29.4			23277.1	
25,000-30,000	26.5	3423.0	2844.2	0.5			6294.2	
30.0008 ABOVE	1.5	920.7	30.4				952.6	
TOTALTIME (MIN.)	2594.6	21518.8	27983.1	1750.0	40.7		53887.3	

Table 8

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission II (Short Range Logistics)

PRESSURE ALTITUDE	EQUIVALENT AIRSPEED -Ve (KNOTS)												
(FEET)	BELOW 150	150 TO 200	200 TO 250	250 T0 300	300 TO 350	350 B ABOVE	TOTAL TIME (MIN.)						
0- 2,000	211.1	215.0	488.2	2.8			917.1						
2,000 - 5,000	120.7	278.8	159.3	8.0			566.9						
5,000-10,000	54.8	351.5	141.5	7.8			555.6						
10,000 - 15,000	0.6	316.3	168.4	13.7			498.9						
15,000-20,000	7.9	641.0	833.9	13.0			1495.8						
20,000-25,000	i1,9	2521.7	1625.7	2.1			4161.4						
25,000-30,000	27.3	800.5	4.4				832.1						
30,0008 ABOVE	8.9	105.1	2.0				116.0						
TOTALTIME (MIN.)	443, 2	5230.0	3423.2	47.4			9143.8						

Table 9

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission III (Training)

PRESSURE ALTITUDE		EQU	IVALENT AIRS	SPEED -V. (I	KNOTS)		TOTAL	
(FEET)	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 8 ABOVE	TIME (MIN.)	
0- 2,000	9410.5	6611.9	1707.6	69.9	0.3		1780G.1	
2,000 - 5,000	2003.1	5330.3	1956.1	100.8	2.0		9892.3	
5,000-10,000	289.0	1894.1	854.4	111.2	0.1		3148.7	
10,000 - 15,000	145.4	1171.9	396.2	41.9		-	1755.4	
15,000-20,000	79.5	1420.6	912.8	39.0			2451.9	
20,000-25,000	46.6	1376.3	1074.4	4.0		1	2501.6	
25,000-30,000	5,4	114.3	43.2				162.8	
30,0008 ABOVE	14.7	77.3				<del>                                     </del>	92.0	
TOTALTIME (MIN.)	11994.2	18496.6	6945.0	366.7	2.4		37804.8	

Table 10

Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission III (Training)

PRESSURE ALTITUDE		EQL	NALENT AIRS	PEED -V. (	(NOTS)		TOTAL	
(FEET)	BELOW ISO	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 8 ABOVE	TIME (MIN.)	
0- 2,000	5054.8	3326.8	1077.9	52.4		1	9512.0	
2,000- 5,000	2839, 7	7559.2	3346.6	87.6	1,9		13835.0	
5,000-10,000	500.7	4180.7	1220.1	78.7	3, 3		5983.4	
10,000 - 15,000	287.9	2041.9	1874.4	36.0	3.9		4244.1	
15,000-20,000	84.2	811.0	1065, 8	8.8	1.5		1971.3	
20,000-25,000	42.5	1415.9	1440.4	146.2			3045.0	
25,000-30,000	10.0	1450.3	540,0				2000.3	
30.00GB ABOVE	0,2	109.1					109.3	
OTALTIME (MIN.)	8819.9	20894.8	10565.3	409.8	10.5		40700.4	

Table 11

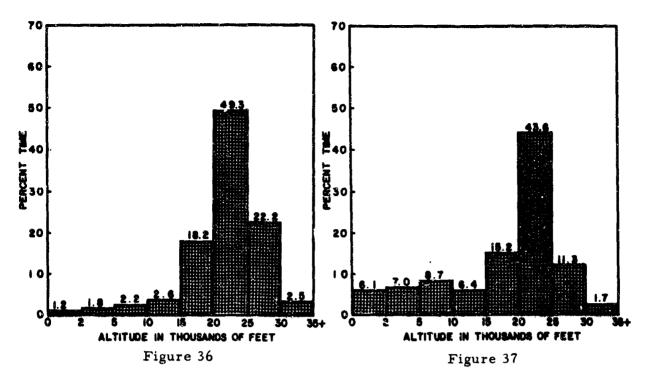
Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — EASTAF Mission IV (Aerial Delivery)

PRESSURE		EQU	IVALENT AIRS	PEED-V <sub>e</sub> (K	NOTS)		TOTAL		
ALTITUDE (FEET)	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 8 ABOVE	TIME (MIM.)		
0- 2,000	416.7	461.9	742.5	38.7			1659.8		
2,000 - 5,000	323.0	618.0	742.6	5.6			1689.2		
5,000-10,000									
10,000 - 15,000									
15,000-20,000									
20,000-25,000									
25,000-30,000									
30.0008 ABOVE									
TOTALTIME (MIN.)	739.7	1079.8	1485.1	44.4			3349.0		

Table 12

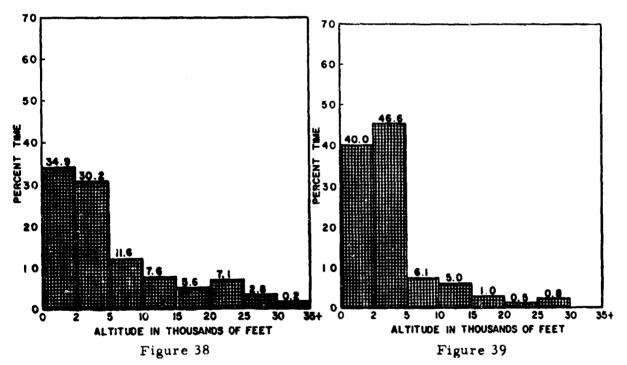
Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — WESTAF Mission IV (Aerial Delivery)

PRESSURE		EQU	WALENT AIRS	EQUIVALENT AIRSPEED -V. (KNOTS)												
ALTITUDE (FEET)	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	TOTAL TIME (MIN.)									
0- 2,000	999.7	993.1	1906.3	75.1			3974.3									
2,000 - 5,000	596.5	1773.8	2:325.3	183.9	0, 1		4879.6									
5,000-10,000	9.9	509.2	294.8	44.3			858.3									
10,000 - 15,000	2.3	358.6	330, 3	15, 2			706.5									
15,000-20,000	1.2	23,2	115.8	0.6			140.8									
20,000-25,000		11.9	58.1				70.1									
25,000-30,000	2,0	104.7	2.0	_			108.7									
30.0008 ABOVE						1										
FOTALTIME (MIN.)	1611.7	3774.7	5032.6	319.2	0.1		10738.3									



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF and WESTAF Selected Altitudes—EASTAF and WESTAF Mission I (Long Range Logistics)

Mission II (Short Range Logistics)



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Altitudes—EASTAF and WESTAF Selected Altitudes—EASTAF and WESTAF Mission III (Training)

Mission IV (Aerial Delivery)

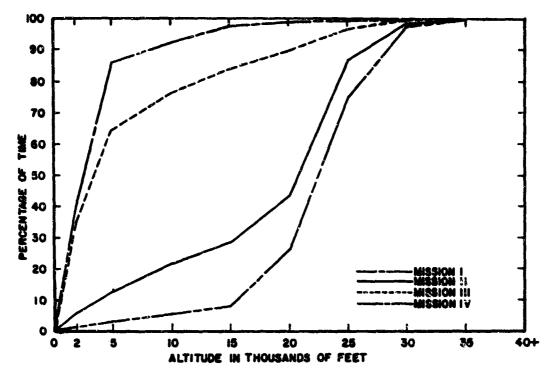


Figure 40. Percentages of Total Flight Time Spent Below Given Altitudes for Each EASTAF and WESTAF Mission Type

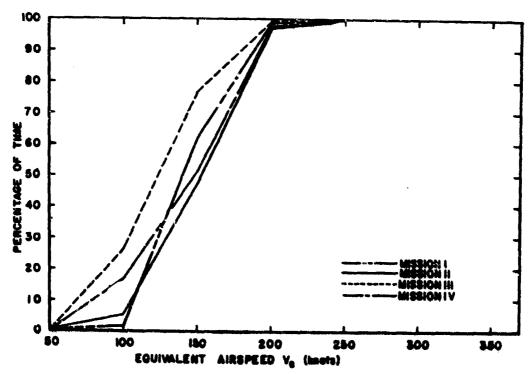
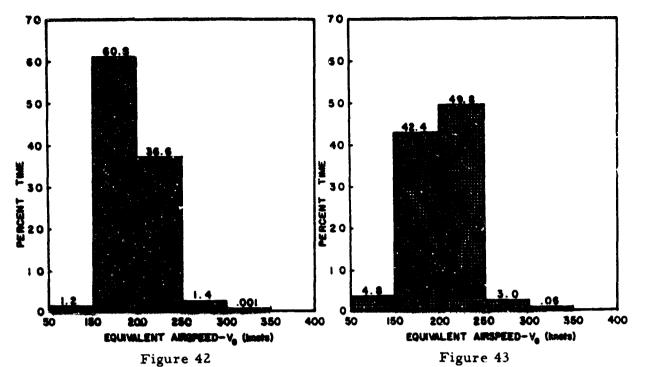
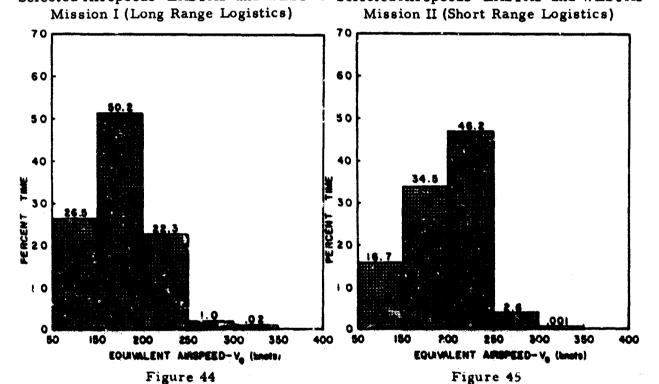


Figure 41. Percentages of Total Flight Time Spent Below Given Airspeeds for Each EASTAF and WESTAF Mission Type



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds-EASTAF and WESTAF Selected Airspeeds-EASTAF and WESTAF



Percentages of Total Flight Time Spent at Percentages of Total Flight Time Spent at Selected Airspeeds-EASTAF and WESTAF Selected Airspeeds-EASTAF and WESTAF Mission III (Training) Mission IV (Aerial Delivery)

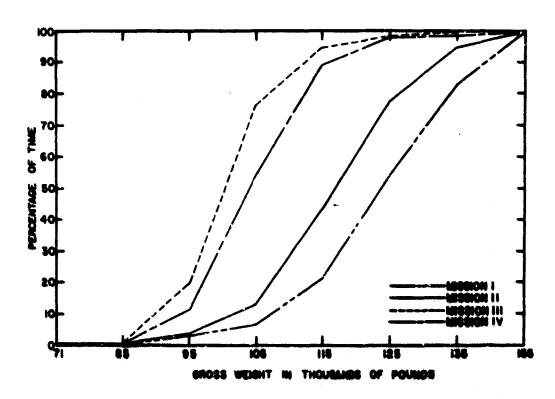
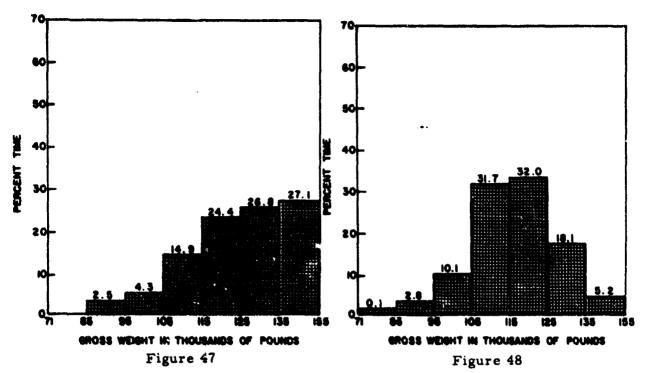
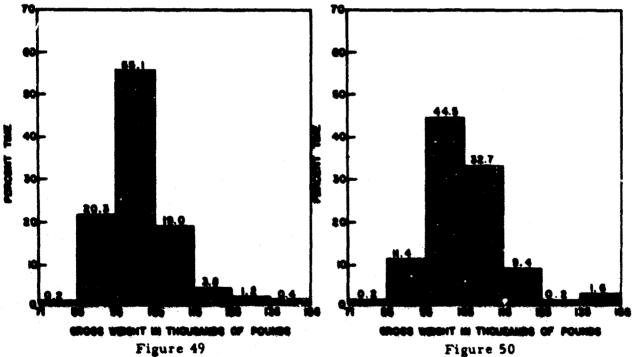


Figure 46. Percentages of Total Flight Time Spent Below Given Gross
Weight Ranges for Each EASTAF and WESTAF Mission Type



Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges-EASTAF- Selected Gross Weight Ranges-EASTAF-WESTAF Mission I (Long Range Logistics) WESTAF Mission II (Short Range Logistics)



WESTAF Mission III (Training)

Percentages of Total Flight Time Spent in Percentages of Total Flight Time Spent in Selected Gross Weight Ranges-EASTAF- Selected Gross Weight Ranges-EASTAF-WESTAF Mission IV (Aerial Delivery)

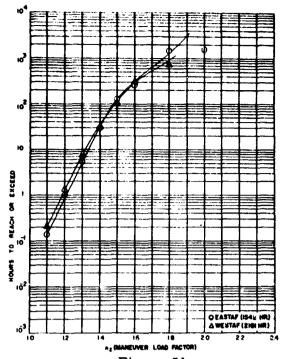


Figure 51

Maneuver Load Factor Exceedance
Curves for Each Base—
Mission I (Long Range Logistics)

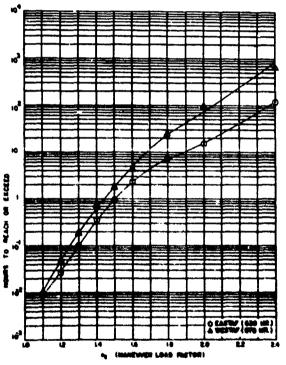
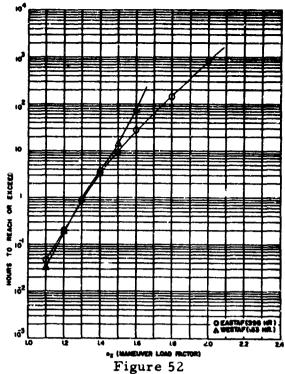


Figure 53
Maneuver Load Factor Exceedance
Curves for Each Base—
Mission III (Training)



Maneuver Load Factor Exceedance Curves for Each Base— Mission II (Short Range Logistics)

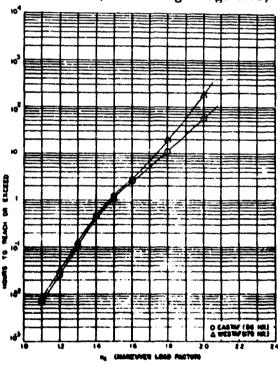


Figure 54

Maneuver Load Factor Exceedance
Curves for Each Base—
Mission IV (Aerial Delivery)

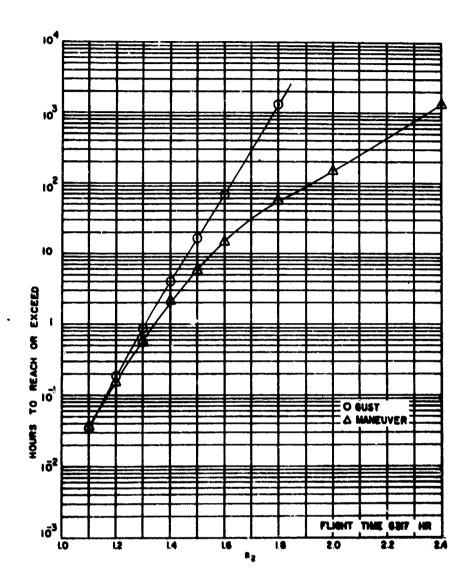


Figure 55. Maneuver and Gust Load Factor Exceedance Curves—Weighted Composites for All Missions and Bases

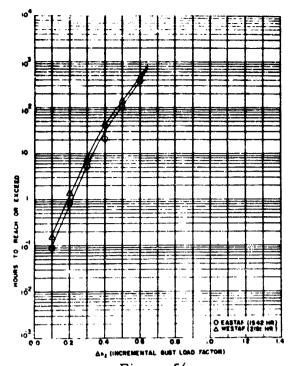
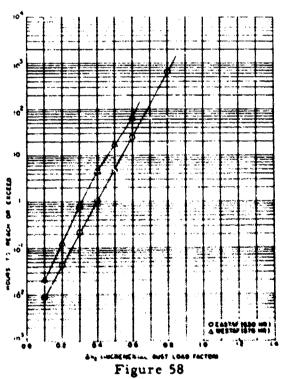


Figure 56
Incremental Gust Load Factor Exceedance Curves for Each Base
Mission I (Long Range Logistics)



Incremental Gust Load Factor Exceedance Curves for Each Base Mission III (Training)

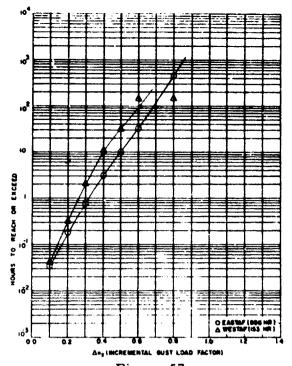
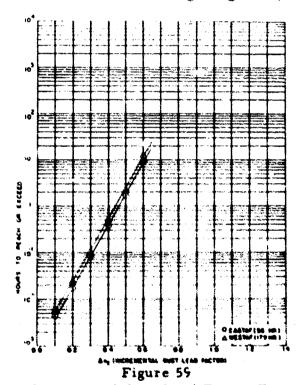
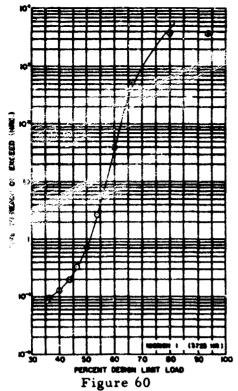


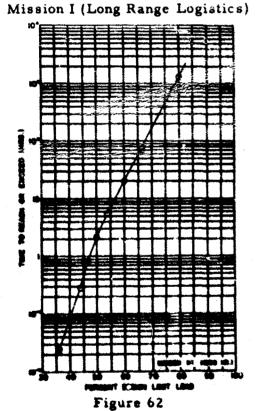
Figure 57
Incremental Gust Load Factor Exceedance Curves for Each Base
Mission II (Short Range Logistics)



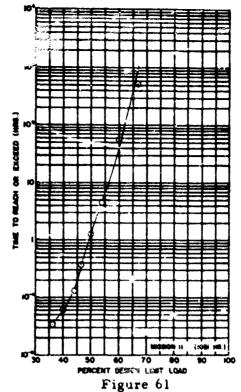
Incremental Gust Load Factor Exceedance Curves for Each Base
Mission IV (Aerial Delivery)



Percent Design Limit Load Exceedance Curve for All Bases



Percent Design Limit Load Exceedance
Curve for All Bases
Mission III (Training)



Percent Design Limit Load Exceedance
Curve for All Bases
Mission II (Short Range Logistics)

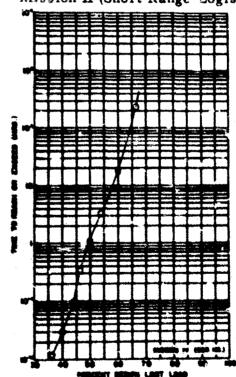


Figure 63
Percent Design Limit Load Exceedance
Curve for All Bases
Mission IV (Aerial Delivery)

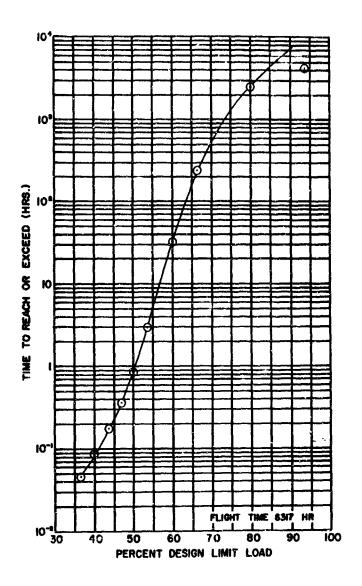


Figure 64. Percent Design Limit Load Exceedance Curve—Weighted Composite for All Missions and Bases

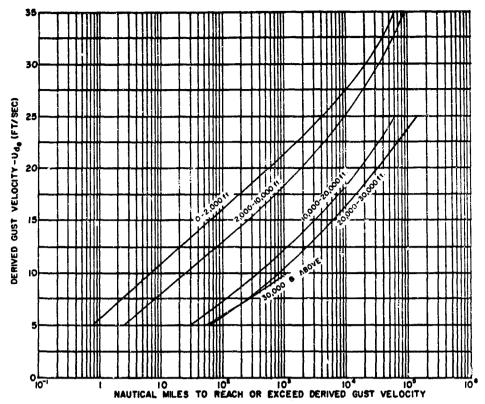


Figure 65. Gust Spectrum Based on Data from EASTAF

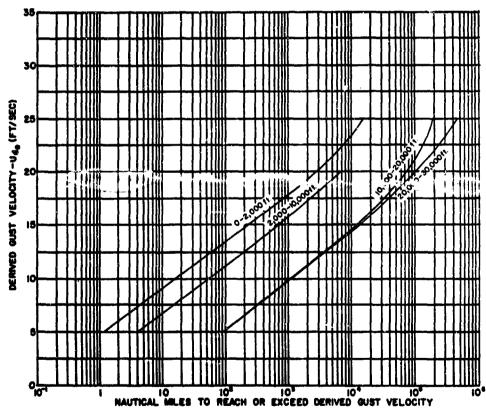


Figure 66. Gust Spectrum Based on Data from WESTAF

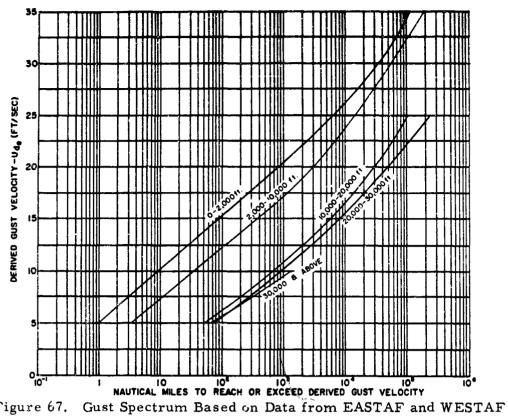


Figure 67.

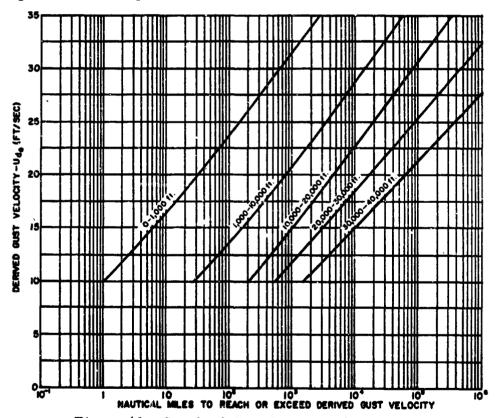


Figure 68. Standard Gust Spectrum (Reference 2)

Table 13

Derived Gust Velocity by Altitude — EASTAF

PRESSURE ALTITUDE					DE	RIVED G	UST VEL	OCITY - U	de (FT/	SEC)					DISTANCE
(FEET)	-40 T0 -35	-35 TO -30	-30 TO -25	-25 T0 -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 T0 15	15 10 20	20 T0 25	25 T0 30		35	(NAUTICAL MILES)
0-2,000	1	2	5	32	321	3509	33871	35928	4293	480	68	6	T	Ĭ	62215.4
2,000-5,000		1	3	17	110	1235	13581	14545	1376	127	11	4	1	l i	53077.0
5,000-10,000		1	2	1	27	206	1984	2180	202	0ز	1				38455.0
10,000-15,000			- 1	1	10	57	640	620	61	10	3				31125.0
15,000-20,000			1	1	8	73	1235	1324	104	7					93134.2
20,000-25,000			2	4	33	172	2542	2661	141	29	6				336714.1
25,000-30,000			1	1	11	60	1144	1054	54	7	2				160143.1
30,000 & ABOVE						15	274	220	11		1		T		27971.0
TOTALS	1	4	15	60	520	5327	55271	58532	6242	690	91	10	1	1	803435.4

Flight Time: 3126 Hours

No. Of Flights: 967

Table 14

Derived Gust Velocity by Altitude — WESTAF

PRESSURE ALTITUDE					DEI	RIVED G	UST VEL	OCITY - U	de (FT/	SEC)					DISTANCE FLOWN
(FEET)	-40 TO -35	TO	-30 T0 -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 10 15	15 10 20	20 T0 25	25 TO 30	30 T0 35	35 TO 40	(NAUTICAL MILES)
0-2,000			2	4	84	1307	16590	17831	1520	101	8	L		Ι	45399.2
2,000-5,000				9_	59	851	11127	11621	853	72	4				68429.7
5,000-10,000					4	36	517	561	43	6	2				35438.9
10,000-15,000					1	14	171	178	8						33495.1
15,000-20,000					5	59	756	783	60	11	1				153888.8
20,000-25,000				1	9	119	1761	1825	133	13	1.	1			343853.9
25,000-30,000				1	2	49	570	602	51	6	1				128515.2
30,000 & ABOVE							1								7604.8
TOTALS			2	15	164	2435	31493	33401	2669	209	17	3			816625.5

Flight Time: 3191 Hours

No. Of Flights: 713

Derived Cust Velocity by Altitude — Con.posite for EASTAF and WESTAF

Table 15

PRESSURE					DE	RIVED G	UST VEL	OCITY - U	4 (FT/	SEC)					DISTANCE
(FEET)	-40 TO -35	TO	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -8	5 TO 10	10	18 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	FLOWN (NAUTICAL MILES)
0-2,000	<u>.</u>	2	7_	36	405	4816	50461	53759	5813	581	76	7			107614.6
2,000-5,000		L	3	26	169	2086	24708	26166	2229	199	15	1	$T_{T}$		122107.2
5,000-10,000			2	4	31	242	2501	2741	245	36			$I^{-}$		73893.9
10,000-15,000			1	1	11	71	811	798	69	10	3		T		64620.1
15,000-20,000			1	1	13	132	1991	2107	164	18					247023.0
20,000-25,000			2	5	42	291	4303	4486	274	42	. 7		T		680567.9
25,000-30,000			1	2	13	109	1714	1656	105	13	3				288658.4
30,000 & ABOVE						15	275		11						35575.8
TOTALS	1	4	17	75	684	7762	86764	91933	8910	899	108	13	1	1	1620060.9

Total Flight Time: 6317 Hours

Total No. Of Flights: 1680

Table 16
Equivalent Maneuver Load Factors by Aircraft
Serial Number — Composite for Alı Missions

	Equivalent Maneuver Load Factor nze																				
Airceatt Seriai Number	Helow 0.0	0 0 to 0 2	0. 2 to 0. 4	0. 4 to 0 6	0. 6 to 0. 7	0. 7 to 0. 8	0. 8 tu 0. 9	0 9 to	1. 1 to 1. 2	.	to 1 4	1. 4 to	i. 1 to i. 6	1. 6 10 1. 8	1.8 to 2.0	2.0 to 2.4	2. 4 10 2. 8	2. B and Above	Total	Recorded Hours	Airtracce Hoors
61-2369			5	73	296	985	1016		1196	513	237	116	49	15	3				4504	110 49	944. 9
61-2370			ı	46	290	1507	1827		1894	788	388	133	97	26	9	3			7009	161 55	961.5
61-2371			5	55	285	975	1100		1461	895	472	238	43	40	3				5620	1 19. 60	888 I
61-2172			ı	26	256	1697	2106		1770	851	373	155	45	9	2				7291	<b>8</b> 5. 10	937, 7
62-1784				34	270	1589	1804		1634	831	293	161	136	70	6			:	6828	186, 28	1241.4
63-7784			ı	19	151	1668	3049		25 1	1479	233	414	128	35	3	1			11102	240, 62	1277, 4
62-1785		ı	5	138	701	2661	2785		2760	1241	705	352	204	84		5	,		11657	158, 36	985. 6
62-1786			2	119	390	1377	1689		1 287	542	244	119	54	35	6			1	5864	131, 59	1000, 7
62-1787				32	124	714	1443		1487	1127	552	343	249	84	7	ı	Ì		6153	203. 51	1459. 6
63-7787			3	59	233	1461	2898		2111	957	463	303	197	68	4				8837	191, 33	1083, 1
62-1788			1	48	268	1726	2456		1572	648	510	102	61	19					7112	130.16	1091.6
63-7788			1	68	341	1855	2804		2305	1173	603	345	190	74	6				9765	267. 12	1345.7
62-1789				25	182	1049	1610	l	1906	1053	850	558	184	57	3	4	İ	ı	748.1	142, 57	1190.8
62-1790			6	82	454	2599	3966	1	3379	1525	808	389	140	79	12	2			13445	249, 93	1281.1
62-1791				84	518	2933	4541		4330	2160	954	451	180	91	5				16215	248. 83	1168.8
62-1794			ì	,	84	544	1226		1566	937	319	176	77	42		,			4028	00.14	685. <b>5</b>
62-1795			2	13	25	99	223	l	650	424	: 46	52	27	•		۱ ا		l	1470	68, 97	1084.8
62-1797			1	54	262	921	1062		1533	805	614	310	104	44	•				5724	193. <b>0</b> 3	1146. 0
62-1799	-		•	73	527	3012	3847		3825	1374	575	240	90	31	•	1		ł	13605	201.73	1145.8
62-1805			4	60	240	767	1617		2297	1231	776	413	109	67	٠				7887	183, 86	1404.4
62-1807			1	47	422	2310	2016		2722	1 367	132	381	224	100					10547	179 02	13%.8
62-1820			•	114	613	3507	51.30		1286	1422	474	204	100	27				1	10915	244.64	1415.4
62-1821			3	47	223	759	2016		21.47	1015	>>6	243	170	57	,	ı			7264	172.19	1441 &
62-1822			1	41	239	1852	3744		1956	1132	424	223	287	101	٠	•	l	1	10114	£14 <b>94</b>	1700 4
62-1827			3	114	401	1593	2142		2204	784	104	244	114	**	,			1	8144	<i>1</i> 93, 95	1201.4
62-1029				,,	160	746	1 302		2024	847	355	289	128	,,	,	,			1963	132 99	1161.6
42-1810		!		,,	100	***	1477			1,90		107	76	/*	١.				5199	110.79	1.80 1
62-1837			,	62	114	4199	41 02		3212	1703	• > •	*22	721	101		,		-	1116	287 21	1275.3
62-1838			2	*1	579	2544	***		2670	1133	401	101	180	**	•			1	12564	176 48	1125 4
62-1839				1	30	164	2110		116	70	**	17	22	٠	,			l	402	35 00	1248 9
62-1840		ŀ		**	331	3110	4015		2875	974	762	in.	1 54	548	,			1	12360	26.E 00	1266.1
62-1847		1	1	1,7	174	1909	2796		1000	613	447	477	<b>293</b>						010)	101. 45	1264, 0
62-1848				31	307	2341	2725		2170	632	255	144	103	>•		1.			9974	सरस	1244,4
62-1849		1	,	24	224	1806	1070		1 504	459	21.0	200	107			,			7470	101, 47	1150.0
62-1850			,	176	700	4527	4733		1116	1630	731	310	137	**	•				19212	200, 74	12%.0
	<u> </u>	<u> </u>	L	<u> </u>	<u> </u>	L		<u> </u>	<u>L</u>	<u>L</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>L</u>	<u> </u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	

Table 17

Maneuver Load Factors by Equivalent Airspeed
EASTAF Mission I (Long Range Logistics)

		EGUIVALENT	AIRS	PEED - VE	(KNOTS)	
LOAC						TOTAL
FACTOR	LESS	150	200	250	300	350
NZ	THAN	TO	TO	TO	TO	AND NZ
	150	200	250	300	350	ABOVE
ABOVE 2.8						
2.4 70 2.8						
2.0 TO 2.4			1			1
1.8 TU 2.0						
1.6 TO 1.8	1	2	1	1		5
1.5 TL 1.6		2	1	3 7		6
1.4 TO 1.5	4	17	11	7		39
1.3 TU 1.4	40	108	53	20		221
1.2 TO 1.3	233	647	267	54	1	1202
1.1 TC 1.2	1723	4218	2254	177	ī	8273
		- •				
0.8 TU 0.9	1089	2818	1347	95		5349
0.7 70 0.8	99	219	122	10		450
0.6 TO 0.7	13	28	19	3		63
0.4 TO 0.6	3	13	5	_		21
0.2 TU 0.4	•	1	_			ī
0. TO 0.2		-				_
BELOW O.						
YIME (MIN)	1485.7	54601.2 35	992.8	466.3	1.6	92547.7
MAUT MILES	3979.3			2422.3	8.8	434268.2
					1	lo. Of Flights: 270

Table 18

Maneuver Load Factors by Equivalent Airspeed WESTAF Mission I (Long Range Logistics)

LOAC			EGUIVAL	ENT AIRS	SPEEC -	VE (KNOTS)	)	TOTAL
FAC 10	R	LESS	150	200	250	300	350	
NZ		THAN	10	10	70	10	AND	NZ
••		150	200	250	300	350	ABOVE	ME
ABOVE	2.8		250	270	300	370	ADUVE	
2.4 10								
	2.8							
2.0 10	2.4			_				
1.8 10	5.0			2	1			3
1.4 TO	1.8	•	1	3				4
1.5 TC	1.6	1	5	•				12
1.4 10	1.5	2	22	20	•	1		51
1.3 TG	1.4	20	112	76	15	i		224
1.2 10	1.3	504	754	355	53			
1.1 10	i.2	1641	4431	2486				1373
*** '	* * *	1041		6440	176	16.		8750
0.8 TU	0.9	1043	2980	1497	101	10		5631
0.7 to	0.8	97	316	161	21			
0.6 10	0.7							595
		3	53	55	. 9			84
0.4 10	0.4	,	Li.	13	3			30
0.2 10	0.4		2	1				3
o. To	0.2							
BELOw	0.							
TIME (M	ini	1283.9	01157.6	45030.2	2553.1	28.9	1	30453.8
MAUT MI	LES	3251.7	345393.0		14504.4	165.2		02739.0

No. Of Flights: 352

Tab': 19

Maneuver Load Factors by Equivalent Airspeed
EASTAF Mission II (Short Range Logistics)

		EQUIVALENT	AIRS	PEED - VE	(KNOTS)	
LOAD						TOTAL
FACTOR	LESS	150	200	250	300	350
NZ	THAN	TO	TO	10	TO	AND NZ
	150	200	250	300	350	ABOVE
ABCVE 2.8						
2.4 TO 2.8						
2.0 TU 2.4			1			1
1.8 TC 2.0		2	1 3			1 5
1.6 TG 1.8	1	13	9	2		25
1.5 TU 1.6	6	35	18	5		64
1.4 TC 1.5	18	89	66	10		183
1.3 TC 1.4	114	40C	188	47		749
1.2 TO 1.3	816	1552	873	134		3375
1.1 TO 1.2	4426	6041	3894	597	11	14969
0.8 TG 0.9	2882	4165	2431	293	6	9777
0.7 10 0.8	327	669	319	31		1346
	36	130	46	11		223
•	5	23				
0.4 TO 0.6	,	3	21	1		50
0.2 TO 0.4		3				3
0. TO 0.2						
BELOW O.	250/ /	21610 0 22		1750 0	40.7	53007 1
TIME (MIN)	2594.6		983.1	1750.0	40.7	53887.1
NAUT MILES	6258.3	90233.2 135	004.8	8739.7	230.6	241126.6
						No. Of Flights: 450

Table 20

Maneuver Load Factors by Equivalent Airspeed
WESTAF Mission II (Short Range Logistics)

LUAD FACTOR -NZ	LESS Than 150	EGUIVALENT 150 TO 200	200 200 10 250	250 - VE 250 TO 300	(KNOTS) 300 TO 350	TOTAL 350 and NZ above
ABOVE 2.8 2.4 TO 2.8 2.0 TC 2.4 1.8 TO 2.0						
1.6 TO 1.8		1	1			2
1.5 TO 1.6 1.4 TO 1.5		17	6 12	,		30
1.3 TG 1.4	.19	65	39	1 2 5		125
1.2 TO 1.3	118	269	212	5		604
1.1 TO 1.2	799	1386	1579	32		3796
0.8 TC 0.9	492	988	1048	13		2441
0.7 TO 0.8	67	126	103	2		298
0.6 10 0.7	5	23	13			41
0.4 10 0.6		1	2			3
0.2 10 0.4		1				1
0. TC 0.2						
BELOW O.						
TIME (MIN)	443.2		3423.2	47.4		9143.7
NAUT MILES	1126.8	22091.0 19	550.2	228.8		38996.8
						No. Of Flights: 76

Table 21

Maneuver Load Factors by Equivalent Airspeed
EASTAF Mission III (Training)

		EQUIVALE	NT AIRS	PEED - VE	(KNOTS)		
LUAC							TOTAL
FACTOR	LESS	150	200	250	300	350	
NZ	THAN	TO	TO	TO	TO	AND	NZ
	150	200	250	300	350	ABOVE	
ABUVE 2.8							
2.4 TG 2.8		1	3	1			5
2.0 TU 2.4	1	15	13	4			33
1.8 TO 2.0	1	24	21	5			51
1.6 TL 1.8	16	109	63	8	2		198
1.5 TU 1.6	67	190	92	15	2 2		366
1.4 TU 1.5	366	559	196	26	-		1147
1.3 TO 1.4	1565	2220	553	54	3		4395
1.2 TU 1.3	6471	7566	1580	117	4		15738
1.1 70 1.2	21555	21169	5236	297	3		48260
0.0.10.00	15500				_		
0.8 TO 0.9	15500	14794	3589	183	2		34068
0.7 TU 0.8	2665	3047	798	49	2		6556
0.6 10 0.7	440	627	245	23	2		1337
0.4 10 0.6	62	161	84	9	1		317
0.2 10 0.4	3	12	10	2	1		28
0. TG 0.2			1				1
BELOW 0.							
TIME (MIN)	11994.2	18496.6	6945.0	366.7	2.4		37804.8
NAUT MILES	28261.9	58526.3	28867.1	1734.2	12.4	1	17401.9
					1	No. Of Flig	hts: 210

Table 22

Maneuver Load Factors by Equivalent Airspeed
WESTAF Mission III (Training)

		EQUIVALE:	IT AIRSI	PEED - VE	(KNOTS)		
LOAU							TGTAL
FACTOR	LESS	150	200	250	300	350	
NZ	THAN	to	TO	10	10	AND	NZ
	150	200	250	300	350	ABOVE	
ABOVE 2.8	• • •				***		
2.4 10 2.8			1				1
2.0 10 2.4		3	•				i
1.8 TC 2.0		เก๋		. 9.			21
1.6 10 1.8	1	73	53	2			124
	15						
		140	58	11	4		224
1.4 TC 1.5	98	327	122	25	1		573
1.3 TC 1.4	662	1315	397	105	1		2460
1.2 10 1.1	3416	5355	1676	243	7		10697
1.1 TO 1.2	15804	21559	9341	533	51		47258
0.8 10 0.9	11199	15387	6227	387	9 .		33209
G.7 TO 0.8	1357	2095	780	172	i		4405
0.6 10 0.7	160	359	154	71			753
0.4 10 0.6	23	60	54	35	•		172
0.2 TG 0.4	• • •	3	~~~	"			
0. 10 0.2		•	•	•			•
				ı			7
	4	****					
TIME (PIN)	8817.7		0365.3	409.8	10.5		40700.4
NAUT MILES	20798.6	70407.6	<b>4501-0</b>	2105.1	6£.5		138074.0
						lo. Of Fla	ahta: 213

Table 23

Maneuver Load Factors by Equivalent Airspeed
EASTAF Mission IV (Aerial Delivery)

		EQUIVALENT	AIRSE	PEED - VE	(KNOTS)		
LOAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
NZ	THAN	10	TO	TO	TO	AND	42
	150	200	250	300	350	ABOVE	
ABOVE 2.8							
2.4 TO 2.9							
2.0 10 2.4		1					1
1.8 TO 2.0		1	3				4
1.6 TO 1.8	1	11	4				16
1.5 TO 1.6	4	13	7	1			25
1.4 TO 1.5	9	3 C	35	1 3			77
1.3 TO 1.4	57	123	171	7			358
1.2 10 1.3	286	656	682	13			1639
1.1 TU 1.2	1367	2406	2071	31			5873
0.8 TC 0.9	941	1729	1311	12			3993
0.7 TO 0.8	150	414	391	2			957
0.6 TO 0.7	16	64	98				178
0.4 TO 0.6	4	1 C	35				49
0.2 10 0.4							
0. TO 0.2							
BELUW O.							
TIME (MIN)	739.7	1079.8 1	485.1	44.4			3349.0
NAUT MILES	1676.3	3397.7 5	570.7	193.7			10838.4
						No. Of Flig	
						L 118	

Table 24

Maneuver Load Factors by Equivalent Airspeed
WESTAF Mission IV (Aerial Delivery)

		EQUIVALEN	TAIRS	PEED - VE	(KNOTS)		
LOAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
N Z	THAN	10	to	10	TO	AND	NZ
-	150	200	250	300	350	ABOVE	-44
ABOVE 2.8		44.0			324		
2.4 TO 2.8							
2.0 TO 2.4							
		4	1				, i
1.8 10 2.0		•	•				
1.6 TO 1.8	1	27	27				55
1.5 10 1.6	3	44	49	1			97
1.4 TO 1.5	12	83	135	3			233
1.3 10 1.4	123	321	543	29			1014
1.2 TO 1.3	710	1392	2149	103			4354
1.1 10 1.2	3223	5829	7124	529	- 1		16704
- · · · · · · · · · · · · · · · · · · ·					•		
0.8 TO 0.9	2230	3939	4862	395	1		11427
0.7 10 0.8	394	775	1389	76	•		2634
C.6 TC 0.7	58	176	418	14			670
0.4 10 0.6	Ä	41	137	•			190
0.2 10 0.4	•	~*	10	•			
0. 10 0.2			10				10
BELOW O.							
TIME (PIM)	1611.7		\$032.4	314.2	0.1		10730.2
MAUT RILES	3706.4	15336.4 1	9306.A	1442.9	0.7		36815.3
						lo. Of Fili	chts: 72

Equivalent Maneuter Load Factors by Equivalent
Airspeed — EASTAF Mission I (Long Range Logistics)

		EQUIVALEN	T AIRSE	PEED - VE	1KNOTS1		
LOAC							TOTAL
FACTOR	LESS	150	500	250	300	350	
NZE	THAN	כז	ŤG	T C	10	AND	MIE
	150	<b>3</b> 00	250	300	350	SVOCA	
ABOVE 2.8	•		1				1
2.4 TC 2.8							
2.0 TO 2.4		2	1				3
1.8 76 2.0	3	34	7	6			50
1.6 TC 1.8	124	426	125	24			599
1.5 TC 1.6	299	1056	390	38			1782
1.4 70 1.5	364	1583	919	32			2998
1.3 TU 1.4	312	1951	1325	40	1		3629
1.2 TC 1.3	783	2885	1284	93			5055
1.1 TO 1.2	1084	3248	1539	119	1		609 t
0.8 TO 0.9	623	743	487	56			1909
0.7 TE 0.8	149	152	104	12			417
0.6 10 0.7	24	22	15	2			63
0.4 TL 0.6		ç	1				10
0.2 TC 0.4							•
0. TC 0.2							
38 <b>L</b> 0• 0.							
TIME (MIN)	1495.7	54601.2 3	5992.8	466.3	1.6		92547.7
NAUT MILES	3979.3	250579.9 17	7078.0	2422.3	8.8		434068.2
						No. Of Fli	ghts: 270

Table 26

Equivalent Maneuver Load Factors by Equivalent
Airspeed — WESTAF Mission I (Long Range Logistics)

N		£201741	CNT AIRS	PEEC - VE	(KNOTS)	FOTAL
\$4.45		163	200	250	300	350
FACTOR	LISS	152	500	tc	10	AND ME
41 E	THAN	13	TU	_		
	1.50	500	250	306	350	ASUVE
Asydi 2.4						
2.4 TC 2.3						
2.7 10 2.4			ĩ	1 2		
1 1. 2.0	1	25	5	2	1	36
1.6 % 1.9	зψ	364	121	34	3	608
1.5 14 1.6	303	1057	508	46	1	1450
1.4 10 1.5	461	1803	1241	<b>5</b> G	2	3357
1.7 10 1.4	309	1757	1247	36		3339
1.2 % 1.3	472	2531	1454	68	3	4528
1.1 10 1.2	1005	3441	1794	117	28	6389
	• • •	• •	•	*-		
1,4 15 6.2	128	430	453	56	5	1805
0. 10 3.a	767	377	557	36		993
1.6 1. 3.7	36	57	31	``•		130
C.4 TO D.6	1	iż	ĺż	•		30
5.2 10 0.4	•	15	• • • • • • • • • • • • • • • • • • • •			
		•	•			•
# 100 O.				*** *	34.0	130853.8
the laids		81157.6		2553.1	28.9	
maut Plues	3251.7	365393.0	\$1 A454.2	14504.6	192.5	402739.0
						No. Of Flights: 352

Table 27

Equivalent Maneuver Load Factors by Equivalent
Airspeed — EASTAF Mission II (Short Range Logistics)

		EQUIVALEN	T AIRS	PEED - VE	(KNOTS)	
LDAD						TOTAL
FAC TOR	LESS	150	200	250	300	350
NZE	THAN	10	TO	10	TO	AND NEE
	150	200	250	300	350	ABOVE
ABOVE 2.8						
2.4 TC 2.8	4					
2.0 TL 2.4			1			1
1.8 TO 2.0	1	ŧ	1 5	1		13
1.6 TG 1.8	14	99	50	13		176
1.5 TC 1.6	64	235	109	19		427
1.4 TU 1.5	237	816	352	56		1461
1.3 TO 1.4	681	1969	980	186	4	3820
1.2 TO 1.3	1646	3338	2005	245		7238
1.1 70 1.2	3025	4302	3270	447	4	11047
1.1 10 1.1	3023	1302	32.0		-	****
0.8 TC 0.9	2149	2202	1687	220	8	6266
0.7 TG 0.8	652	776	445	58	ĭ	1932
0.6 TC 0.7	77	155	89	9	•	330
0.4 TC 0.6	9	3C	21	4		64
	,	2	21	7		2
0.2 TO 0.4		2				2
0. TO 0.2						
BELOW 0.				1760 0		
TIME (MIN)	2594.6		7983.1	1750.0	40.7	53887-1
NAUT MILES	6258.3	90233.2 13	5664.8	8739.7	230.6	241126.6
						No. Of Flights: 450

Table 28

Equivalent Maneuver Load Factors by Equivalent
Airspeed — WESTAF Mission II (Short Range Logistics)

LOAC		EGUIVALEN	T AIRSP	EED - VE	(KNOTS)	TOTAL	
		160	200	250	300	350	
FACTOR	LESS	150	200		10	AND NZE	
NZ E	THAN	10	TO	TO			
	150	500	250	300	350	ABOVE	
ABOVE 2.8							
2.4 TC 2.8						_	
2.0 10 2.4		1				3	
1.8 TO 2.0		1	3			4	۲
1.6 TC 1.8	9	22	13			44	<b>)</b>
1.5 TU 1.6	37	61	26	2		124	)
1.4 TC 1.5	88	235	175	2 3		501	
1.3 TU 1.4	221	496	667	9		1393	)
1.2 10 1.3	436	736	682	27		1801	
1.1 TO 1.2	485	868	1113	16		2482	
	100		••••	••			
0.8 TU 0.9	256	545	699	10		1510	)
0.7 TC 0.8	83	151	112	2		348	
0.6 TO 0.7	ii	24	12	ī		41	
0.4 TU 0.6	• • • • • • • • • • • • • • • • • • • •		• • •	•			
0.2 10 0.4	•	2 1	•			i	,
0. 16 0.2		•				•	
					•		
BELO# 0.	448 6		3433 3	49 4		0149 1	
TIME (MIN)	443.2		3423.2	47.4		9143.1	
MAUT KILES	1126.8	22091.0 1	5550.2	228.8		30996. ( No. Of Flights: 7	

Table 29

Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission III (Training)

		EQUIVALENT	AIRSE	EED - VE	(KNOTS)	
LDAD						TOTAL
FACTOR	LCSS	150	200	250	300	35შ
NZE	THAN	TO	TO	10	TQ	AND MZE
	150	200	250	300	350	ABOVE
8.S BYORE						
2.4 TC 2.8			1			1
2.C TO 2.4		;	5	3		16
1.8 TO 2.0	1	18	12	3 5		36
1.6 TC 1.8	4	41	44	9		98
1.5 TO 1.6	17	84	63	13	2	179
1.4 TO 1.5	55	263	150	31	ī	500
1.3 TO 1.4	367	863	370	48	ĩ	1649
1.2 10 1.3	1630	2917	832	71	3	5453
1.1 10 1.2	7606	9587	2587	192	3 2	19964
141 10 142	7000	,,,,,,	250.	4 474	•	
0.8 10 0.9	12271	13084	3149	156	1	28661
0.7 TO 0.8	12461	10525	2389	21		25498
0.6 TC 0.7	2289	2373	614	28	2 2	5306
0.4 TO 0.6		46C	,72	17		965
0.2 10 0.4	6	14	12		<b>5</b> 1	36
U. TO 0.2	-	• •	• • • • • • • • • • • • • • • • • • • •	•	•	ì
BELOW O.			•			•
TIME (MIN)	11994.2	19496.6	6945.0	366.7	2.4	37804.8
NAUT MILES	28261.9		8867.1	1734.2	12.4	117401.9
MACT MICES	\$0501+2	3032043 2	DO, OTAL	112445		
						No. Of Flights: 210

Table 30

Equivalent Maneuver Load Factors by Equivalent
Airspeed — WESTAF Mission III (Training)

		SCULVALE	ENT AIRSE	EED - VE	(KNUTS)		7
LUAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
NZE	THAN	TO	TO	TO	to	AND	NZE
	150	200	250	3C0	350	ABOVE	
ABOVE 2.8							
2.4 TC 2.8							
2.0 TO 2.4			1				1
1.8 TU 2.0		6	4				10
1.6 TO 1.8	1	42	27	4			74
1.5 10 1.6	5	101	63	5			174
1.4 TG 1.5	31	243	122	19	1		416
1.3 TU 1.4	178	800	370	86	1		1435
1.2 10 1.3	1128	2614	1199	358	4		5303
1.1 10 1.2	4711	8657	3767	387	14		17536
					_		
0.8 10 0.7	11828	17395	6003	352	10		37594
0.7 10 0.8	9073	10153	4250	253			23732
0.6 10 0.7	1324	1509	477	101	3 1		3412
0.4 70 0.5	126	223	123	51	•		523
0.2 10 0.4		;	6	4			19
Q. TO 0.2	•	•	•	1		•	1
BELOW 0.				-			
TIME (MIM)	8819.9	20894.8	10565.3	407.8	10.5		40700.4
NAUT PILES	20798.0	70607.6	44501.0	2105.1	61.5		138075.0
HANT LIFES					-600	No. Of Fil	

Table 31

Equivalent Maneuver Load Factors by Equivalent Airspeed — EASTAF Mission IV (Aerial Delivery)

		EQUIVALENT	AIRSP	EED - VE	(KNOTS)	
LUAD						TOTAL
FAC TOR	LESS	150	200	250	300	350
NZE	THAN	TØ	to	TO	TO	AND NZE
	150	200	250	300	350	ABOVE
ABOVE 2.8						
2.4 TO 2.8						
2.0 TC 2.4		1				1
1.8 TU 2.0		-	2			5
1.6 10 1.8		6	2 3			2 9
1.5 TU 1.6	1	22	21	•		45
1.4 TO 1.5	20	91	78	1 5		194
		343	337	10		760
	70					2138
1.2 to 1.3	338	1123	669	. 8		
1.1 70 1.2	859	1460	1352	24		3695
0.8 10 0.9	898	1260	1086	7		3251
0.7 TO 0.8	322	535	563	4		1424
0.6 10 0.7	32	77	132	•		241
0.4 TU U.6	4	ii	36			51
0.2 10 0.4	ĩ	••	ĩ			2
0. 10 0.2	•		•			•
BELOW O.						
	710 1	1070 0 1	405 1	44.4		3340 n
TIME (MIN)	739.7		485.1	44.4		3340.0
NAUT MILES	1676.3	3397.7 5	570.7	193.7		10838.4
						No. Of Flights: 37

Table 32

Equivalent Maneuver Load Factors by Equivalent Airspeed — WESTAF Mission IV (Acrial Delivery)

		EQUIVALEN	T AIRS	PEED - YE	(KNOTS)		
LUAD							TOTAL
FAC TOR	LESS	150	200	≥ 30	30u	350	
NZE	THAN	TO	TO	TO	to	AND	NZE
	150	200	250	300	350	ABOVE	
ABOVE 2.8				• • • • • • • • • • • • • • • • • • • •			
2.4 10 2.8							
2.0 10 2.4							
1.8 10 2.0	3	3	<b>A</b>				10
1.6 TO 1.8	13	32	. 4				10
			10	•			. 55
1.5 TO 1.6	27	45	26				101
1.4 TO 1.5	67	133	89				285
1.3 10 1.4	134	363	357	24			. 191
1.2 TO 1.3	590	1443	1326	84			3443
1.1 70 1.2	1685	2713	3966	361	1		8746
0.8 10 0.9	1871	3368	4290	377	1		9907
0.7 TO 0.8	1280	2198	3093	175	_		6746
0.6 10 0.7	253	692	846	29			1620
0.4 10 0.6	36	122	298	- 5			431
6.2 10 0.4	-	•••	13				14
0. TO 0.2		•	.,				• •
BELOW, O.	4444			-10-0			
TIME (MIN)	1611.7		5032.6	319.2	0.1		19734.2
NAUT MILES	3706.4	12338.9 1	9306.4	1462.9	0.7		10012.2
					N	o. Of Fligh	ita: 72

Table 33

Incremental Gust Load Factors by Equivalent Airspeed
EASTAF Mission I (Long Range Logistics)

		EQUIVALEN	IT AIRSE	PEED - VE	(KNOTS)		
LGAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA NZ	THAN	70	to	TÜ	TO	AND	DELTA NZ
	150	200	250	300	350	ABOYE	
ABOVE 1.8	• •						
1.4 70 1.8							
1.0 TU 1.4		1.5					
0.8 10 1.0							
0.6 10 0.8		1	√3				4
0.5 TO 0.6		3	6	1			10
0.4 10 0.5	3	18	34	. 3			58
0.3 10 0.4	18	69	112	13	2		214
0:2 TO 0:3	139	641	767.	23	4		1574
0.1 70 0.2	1130	7144	6983	199	12		15428
-0.2 70 -0.1	1006	7123	6338	134	4		14605
-0.3 TO -0.2	106	574	683	16			1379
-0.4 10 -0.3	10	90	104	7			211
-0.6 TO -0.4	4	22	42	1			69
-0.8 10 -0.6		1	1				2
-1.0 TC -0.8	4,						
BELOW -1.0		2.4					
TIME (MIN)	1485.7	54601.2 3	5992.8	466.3	1.6		92547.7
NAUT MILES	3979.3	250579.3 17	7078.0	2422.3	8.8		434068.2
					N	o. Of Fli	ghts: 270

Table 34

Incremental Gust Load Factors by Equivalent Airspeed
WESTAF Mission I (Long Range Logistics)

		200					
		EQUIVALE	NY AIRS	PEED - VE	(KNOTS)	**	
LCAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA NZ	THAN	TO	to	10	TO	AND	DELTA NZ
	150	200	250	300	350	ABOVE	
ABOVE 1.8		200		300	,,,	75016	į.
1.4 TU 1.8							
1.0 10 1.4		. •					
•							
		•			-		
0.6 TU 0.8		3 3	4				. 5
0.5 [0 0.6	_		. 6	1			10 35
0.4 [0 0.5	1	22	10	- 1	1		35
0.3 TU 0.4	10	119	88	10			227
0.2 TO 0.3	67	701	545	40	2		1355
0.1 TU 0.2	825	6222	4590	158	10		11805
-0.2 TO -0.1	694	5932	3995	156	10		10787
	47	535	394		10		
-0.3 10 -0.2				33 9	7		1013
-0.4 [0 -0.3	9	92	73	y	- 1		184
-0.6 TU -0.4	3	21	13				37
-0.8 TJ -0.6		1	1				2
-1.0 10 -0.8							
BEL()w -1.0				24			
TIME (MIN)	1283.9	81157.6	45830.Z	2553.1	28.9	1	30453.4
NAUT MILES	3251.7	365393.0 21	19424.5	14504.6	165.2	•	02739.0
						lo. Of File	

Table 35

Incremental Gust Load Factors by Equivalent Airspeed EASTAF Mission II (Short Range Logistics)

		EQUIVALE	NT AIRSI	PEED - VE	(KNOTS)		
LUAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA NZ	THAN	to	TO	TO	10	AND	DELTA NZ
	150	200	250	300	350	ABOVE	
ABOVE 1	. 8						
1.4 10 1	. 8						
	. 4						
0.8 TU 1	• 0		2				2
0.6 TO 0	• 8 • •	7	14	5			26
	.6 3	10	41	5 7			61
0.4 10 0	.5 4	50	127	28			209
	.4 49	226	505	77			857
	. 3 422	1192	1747	305	6		3672
	.2 3036	6956	9778	1436	41		21247
0.5.40.0		4403	9107	1311	42		19589
-0.2 TO -0		6402			2		3242
-0.3 TO -0		991	1675	258	•		689
-0.4 TU -0	-	203	381	59			
-0.5 TO -0	-	70	142	25			242
-0.8 TO -0		8	13	Ş			23
-1.0 TU -0		3	2	1			6
BELOW -1	• -		1				1
TIME (MIN			27983.1	1750.0	40.7		53887.1
NAUT MILE	S 6258.3	90233.2 1	35664.8	8739.7	230.6		241126.6
						No. Of Fli	ghte: 450

Table 36

Incremental Gust Load Factors by Equivalent Airspeed
WESTAF Mission II (Short Range Logistics)

				_	_		
		EQUIVALEN	T AIRSE	PEED - VI	(KNOTS)		
LOAD							TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA NZ	THAN	ro	TO	to	10	AND	DELTA NZ
	150	200	250	300	350	ABOVE	000174 116
ABUVE 1.8	•			330	320	70012	
1.4 TO 1.8							
1.0 TU 1.4							
0.8 TU 1.0		1					1
0.6 TO U.8		•					•
		-	•				4
		3 5	1 3				4
0.4 10 0.5	_						8 63
0.3 fu. 0.4	5	30	28				03
0.2 70 0.3	28	174	190				392
0.1 TO 0.2	321	1312	1625	14			3212
-0.2 TO -0.1	299	1209	1581	7			3096
-0.3 TC -0.2	25	143	171	7			340
-0.4 TO -0.3	1	39	26	•			66
-0.6 TO -0.4	•		8				12
-0.8 TU -0.0		•					••
-1.0 10 -0.8							
BELOW -1.0							
TIME (MIN)	443.2	5230.0	3423.2	47.4			9143.7
NAUT MILES							
MANI MIFE?	1126.8	22091.0 1	5550.2	220.8			30994.8
					r	to. Of Fil	ghts: 76

Table 37

Incremental Gust Load Factors by Equivalent Airspeed EASTAF Mission III (Training)

		EQUI VALE	NT AIRS	PEED - VE	(KNOTS)		
LOAD							TOTAL
FACTUR	LCSS	150	200	250	300	350	
DELTA NZ	THAN	TO	TO	10	10	AND	DELTA NZ
	150	200	250	300	350	ABOVE	
ABOVE 1.8							
1.4 TC 1.8							
1.0 70 1.4							
0.8 TU 1.0	1						1
0.6 TU 0.8	1 2	12	8	3			25
0.5 TO 0.6	25	38	38	6	2		109
0.4 TU 0.5	88	195	180	21	1		485
0.3 TC 0.4	553	1021	678	71	4		2327
0-2 TU 0-3	3465	5026	2757	204	10		11462
0.1 TO 0.2	20070	23829	10708	583	21		55211
-0.2 TO -0.1	20525	24201	10560	565	19		55870
-0.3 10 -0.2	3087	4431	2486	159	10		10173
-0.4 TO -0.3	427	861	580	60	2		1930
-0.6 TO -0.4	61	156	188	28	1		434
-0.8 TC -0.6	2	5	15	2	1		25
-1.0 TO -U.8	2	1					3
BELOH -1.0							
TIME (MIN)	11994.2	18496.6	6945.0	366.7	2.4		37804.8
NAUT MILES	28261.9	58526.3	28867.1	1734.2	12.4		117401.9
						No. Of Fli	ghte: 210

Table 38

Incremental Gust Load Factors by Equivalent Airspeed
WESTAF Mission III (Training)

LUAD		EQUIVALE	NT AIRS	PEED - VO	(KNOTS)		TOT AL
FACTOR	LESS	150	200	250	300	350	TOTAL
DELTA NZ	THAN	TO	TU	10	10		151 FA N.1
	150	200	250				DELTA NZ
ABOVE 1.8	1 30	200	250	300	350	ABUVE	
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TC 1.0							
0.6 TU 0.8		_	_				
0.5 10 0.6		. 8					10
0.4 TJ 0.5		15	14	1			30
0.3 TC 0.4	6	44	58	3			111
	87	306	277	5.5			549
	911	1911	1512	95	1 7		4430
0.1 70 0.2	8289	11203	7896	501	7		27896
-0.2 TC -0.1	8012	11483	7570	412	12		27489
-0.3 TC -0.2	831	1753	1400	88			4072
-0.4 10 -0.3	91	245	246	10			592
-0.6 10 -0.4	11	44	76	ĭ			126
-0.8 TC -0.6		i		i			3
-1.0 TU -0.8		•	i	•	,		í
HELON -1.0			•				•
TIME (MIM)	8819.9	20894.8	10565.3	409.8	10.5	4	0700.4
VAUT MILES	20798.8		44501.0	2105.1	61.5		4074.0
						No. Of Fligh	

Table 39

Incremental Gust Load Factors by Equivalent Airspeed EASTAF Mission IV (Aerial Delivery)

		EQUI VALENT	AIRSP	EED - VE	(KNUTS)		
LOAC							TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA NZ	THAN	TO	TO	TO	to	ÁND	DELTA NZ
	150	200	250	300	350	ABOVE	
ABOVE 1.8							
1.4 70 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	5				6
0.5 10 0.6		3	20	1			24
0.4 10 0.5	2	24	82	10			118
0.3 TO 0.4	15	94	346	53			506
0.2 TC 0.3	98	550	1681	143			2472
0.1 10 0.2	927	2601	5692	425			9645
0.1 10 0.2	,,,						
-0.2 TO -0.1	956	2623	5603	489			9671
	105	499	1447	128			2179
-0.3 TG -0.2	2	82	295	37			416
-0.4 TU -0.3	2	21	85	17			123
-0.6 TO -0.4		21	0,	**			
-0.8 TU -0.6			•				i
-1.0 TC -0.8							•
BELOW -1.0		1070 0	405 1	44.4			3349.0
TIME (MIN)	739.7	· ·	485.1	44.4			10838.4
NAUT MILES	1676.3	3397.7	5570.7	193.7		N- O( N	
						No. Of F1	ights: 37

Table 4.)

Incremental Gust Load Factors by Equivalent Airspeed
WESTAF Mission IV (Aerial Delivery)

	EQUIVAL	ENT ALRSE	EED - VE	(KNOTS)		
LOAD						TOTAL
FACTOR LESS	150	200	250	300	350	
DELTA NZ THAN	TO TO	TO	TO	10	AND	DELTA NZ
150	200	250	300	350	ABOVE	
ABOVE 1.H						
1.4 TC 1.8						
1.0 TU, 1.4						
0.8 TO 1.0						
D.6 TU U.H	1	11	1			13
0.5 TU 0.6	1 10	59				70
0.4 10 0.5	1 10 2 31	236	10			279
	4 152	1164	30			1360
0.2 TU 0.3 17		4668	125			5881
0.1 TC 0.2 144		17107	647			23415
-0.2 TO -0.1 161	6 4091	17226	529			23462
-0.3 TO -0.2		4377	100			5484
	1 176	1064	22			1203
-0.6 TO -0.4	4 5C	299	11			304
-0.8 TO -0.6	·	11	"			15
-1.0 TO -0.9	•	`i	. •	1		1
BELOW -1.0		•				
TIME (MIN) 1611.	7 3774.1	5032.4	319.2	0.1		10730.2
NAUT MILES 3706.		19306.4	1462.9	0.7		36613.5
UND1 -1752 31001	W 1233017	. , , , , , , ,	*****		6. Of F1	

Table 41

Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)

Gross Weight Range: 85,000 to 95,000 lb.

Part			ALTITUDE		10 2,	000 FEET					ALTITUGE	- 2,000	r 10 5	,000 FEET		
Column   C	LOAD							TOTAL	LOAD							JATOI
Column   C	FACTOR	LESS THAN	190	140 10	290 10	700 10	320 460	MŽ	FACTOR	LESS THÂN	150	200 TO	290 10	10	350 AMP	
1   1   1   1   1   1   1   1   1   1	2.4 TO 2.0 2.6 TO 2.4 1.6 TO 2.0 1.6 TO 1.6 1.4 TO 1.5 1.3 TO 1.4	17	į	1 3 1	1	<i></i>		) 6 26	ASOVE 2.6 2.4 TO 2.0 2.0 TO 2.0 1.6 TO 2.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.2	ı	1 2 7 14	l 3 1 4 3	<i>,</i>	254	4000	1 3 2 6 11 43 210
ALTITUDE - 10,000 TO 10,000 FEET   CONTINUE - 10 (ADDRESS)   TOTAL   CON	0.4 ID 0.7 0.4 ID 0.4	12	,		1				0.8 IO 0.9 0.7 IO 0.0 0.6 IO 0.7 0.4 IO 0.6	1	2	12 7				24 11 1
Cold	NAUT MILES		34.9	11.0	.;			145.4	NAUT MILES			148.6				567.2
Time																
AND 12-10  1-0 12-0  1-0 1	LCAD FACTOR MA	LESS	156	200 TO	256	300 TO	350		LUAD FACTOR		150 TO				390	
0-1 TO 0-0	ABOVE 2.8 2.4 10 2.8 2.8 10 2.4 1.6 10 2.6 1.5 10 1.6 1.5 10 1.6 1.4 10 1.5 1.3 10 1.5 1.3 10 1.3	194	;	1 2 2		394	AGOVE	1		850	200	250 1		<b>150</b>	,	,
Time					_				6.6 f6 6.9			13	•			13
ALTITUDE - 15-000 TO TO COLOR PORT   ALTITUDE - 15-000 FRET   PROPERTY   PR	0.7 TB 0.6 0.6 TD 0.7 7.4 TB 0.4 0.2 TB 0.4 0. TB 0.2 001.00 0.								6.7 10 6.8 6.4 10 6.7 6.4 10 6.4 6. 10 6.3 6.10 6.3			ì				t
Composition			120.4	344.7	46.3			941.4	MAN WITER		13.7	290.4	35.7			330.7
PACTOR 100 100 100 100 100 100 100 100 100 10																
April   Apri												******				
## 10	LOAD FACTOR	rait	********	IT AIRSP	129 - W	(####75)	390		LCAO FACTOR	LESS	-	T AIRSP	160 - AE	(44075)	250	TOTAL
ALTITUDE - 25,000 TO 15,000 PROT  ALTITUDE - 25,000 TO 15,000 PROT  PORTION LESS LINE 200 200 200 100 500 Mg PARTON  PARTON LESS LINE 200 200 100 10 AND Mg PARTON  ALTITUDE - 15,000 100 100 100 AND Mg PARTON  ALTITUDE - 15,000 100 100 100 AND Mg PARTON  ALTITUDE - 15,000 200 200 100 100 AND Mg PARTON  ALTITUDE - 15,000 200 200 100 100 AND Mg PARTON  ALTITUDE - 15,000 200 200 100 100 AND Mg PARTON  ALTITUDE - 15,000 200 200 100 100 AND Mg PARTON  ALTITUDE - 15,000 200 200 AND MG PARTON  ALTITUDE - 15,000 200 AND	AGGG 2-0 2-4 70 2-0 2-4 70 2-0 1-1 70 2-0 1-1 70 1-0 1-1 70 1-1 1-1 10 1-1 1-1 10 1-1 1-1 10 1-1 1-1 10 1-1 1-1 10 1-1	LESS Trein 190	Equivaler 190 200	17 AIRSP 200 10 200 200	210 - W	(####75)	330 640 40071	mt .	AGC 198 ME  AGC 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 10 2.0 1.0 10 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 1.1 TO 1.0 1.1 TO 1.0	LESS truck 190	200 10 10 100 100 100	7 ATRSP( 200 10 230	160 - AE	(44075)	350 MS ASOVE	45
**************************************	2.0 TO 2.0 2.0 2.0 1.0 TO 2.0	LESS Tride 190	CONTUCALED TO TO SHOOT TO SHOUT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOUT TO SHOOT TO SHOUT TO SHOUT TO SHOT TO SHOT TO SHOT TO SHOT TO SHOT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO	200 200 200 200 210 210	100 - VI 200 100 300	(####75)	110 100 460 460 100	## 6 10 2	AGC 198 ME  AGC 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 10 2.0 1.0 10 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 1.1 TO 1.0 1.1 TO 1.0	LESS (1986) 150	\$ 200 100 100 100 100	200 100 200 200 200 200 200 200	250 70 70 300	(44075)	270 ALCOVA	13 13 13
100   100	2.0 TO 2.0 2.0 2.0 1.0 TO 2.0	LESS THAN 100	CONTUCALED TO TO SHOOT TO SHOUT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOOT TO SHOUT TO SHOOT TO SHOUT TO SHOUT TO SHOT TO SHOT TO SHOT TO SHOT TO SHOT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO SHOUT TO	200 200 200 200 210 210	100 - VI 200 100 300	(####75)		## 6 10 2	AGC 198 ME  AGC 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 10 2.0 1.0 10 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 1.1 TO 1.0 1.1 TO 1.0	LESS south 190	\$ 200 100 100 100 100	200 100 200 200 200 200 200 200	250 70 70 300	(44075)	250 415 450ve	13 13 13
	2.0 TO 2.0 2.0 2.0 1.0 TO 2.0		CONTUGENT TO SEE	200 10 200 200 200 210 211 2 44.0 200.0	100 - WE 250 100 100 100 100 100 100 100 100 100 1	(80073) 100 10 10 10 10		14 2 32.3 301.1	AGC 100 had a control of the control	LESS 19400 1950	GODIVALEN 150 10 200 200 210 200 200 200 200 200 200	2 AIRSM 200 20 20 250 250 2 0 3 3 37-1 37-1	100 - VE 254 100 100 100 100 100 100 100 100 100 10	(EMBTS) 300 TO 350 350	250 450v4	942-0 2190-0
# # # # # # # # # # # # # # # # # # #	2.0 TO 2.0 2.0 2.0 1.0 TO 2.0		CONTUNES	200 10 200 200 200 200 200 200 200 200 2	100 - WE	(81873) 300 70 300 300 300 400 400 400 400 400 400 40	200	14 2 32.3 301.1	AGC 100 had a control of the control		Withing -	2 Alesses 200 250 250 250 3 320.0 30.00c	296 - VE 296 300 300 3	(EMBTS) 300 TO 350 350 TO 350		942-0 2190-0
भार बार्स अभारत कराते । अवार भार बारा वारा । विराम	AGENT 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 1.2 TO 0.0 0.7 TO 0.0 0		Controls  1 10  200  200  210  ALTITUSE  CONTRACT  100  200	200 10 200 200 200 200 200 200 200 200 2	100 - WE	(81873) 300 70 300 300 300 400 400 400 400 400 400 40	****	82.3 201-1 1070A	AGE 100  AGE 100  2-4 10 2-6  2-4 10 2-6  2-6 10 2-6  1-6 10 1-6  1-6 10 1-6  1-7 12 1-7  1-1 10 10 1-7  1-1 10 10 10 10 10 10 10 10 10 10 10 10 10		Withing -	2 Alesses 200 250 250 250 3 320.0 30.00c	296 - VE 296 300 300 3	(EMBTS) 300 TO 350 350 TO 350		912.0 1190.0 1190.0
	AGENT 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 1.2 TO 0.0 0.7 TO 0.0 0		1 200 200 200 200 200 200 200 200 200 20	200 200 200 200 210 210 200 210 200 200	100 - WE	(81873) 300 70 300 300 300 400 400 400 400 400 400 40	200	1076A 44 2 1076A 44	AGE 100  AGE 100  2-4 10 2-6  2-4 10 2-6  2-6 10 2-6  1-6 10 1-6  1-6 10 1-6  1-7 12 1-7  1-1 10 10 1-7  1-1 10 10 10 10 10 10 10 10 10 10 10 10 10		200 200 200 200 200 200 200 200 200 200	2 Alesses 200 250 250 250 3 320.0 30.00c	296 - VE 296 300 300 3	(EMBTS) 300 TO 350 350 TO 350		3 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Table 42

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission I (Long Range Logistics)

Gross Weight Range: 95,000 to 105,000 lb.

		ALTITUDE			2,000 FEET						- 2,000		,000 FEET		
LOAD FACTOR	LESS	130	NT AIRSI 200	250	VE (KNDTS) 300 TO	390	TOTAL	LGAD FACTOR	LESS	150	MT ALASP 200	250 - W	E (KNOTS)	350	TOTAL
ABOVE 2.0	THAN 150	\$00 10	10 250	70 300	10 150	330 AND ABOVE	ME	ME SOONE STO	1846 156	\$00 10	200 TO 250	7G 300	70 350	AMD	ME
2.4 TO 2.6 2.0 TO 2.4 1.8 TO 2.0 1.5 TO 1.6 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.3	3 24 246	9 97 113	1 7				6 62 366	2.4 TO 2.4 2.6 TO 2.4 1.8 TO 2.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.5 1.1 TO 1.2	1 24 218	1 6 52 240	1 4 17	2 2			2 4 11 95 540
0.8 TO C.9 0.7 FO 0.8 0.6 TO 0.7 0.4 TO 0.4 0.2 FD C.4 0. TO 0.2 8ELDM G.	176 10	#5 14 1	2.0				264 34 1	0.8 10 6.9 0.7 10 6.8 0.6 10 8.7 0.4 10 0.4 0.2 10 0.4 0. 10 8.2	145	174 23 3	50 3 2				371 36 5
TIME (MIN) NAUT MILES	332.7	143.1	5.2				405.1	TIME (MIN) NAUT MILES	198.4	211.4 401. <del>4</del>	78.1 291.3	4.5			489.7
		ALTITUDE			.000 FEET						- 10,000		,000 FEET		
LOAD FACTOR	LESS	EOUTVALE	NT AIRSP 200 TO	250 - V 250 10	E (KNOTS) 360	350	TOTAL	LOAD FACTOR	LESS	130 EGUTANTE	MT AERSP 200	TED - W 230	€ (RNOTS:	110	TOTAL
N2 480VE 2.6	14AH 150	200	250 10	70 300	70 350	ANO	MZ	MZ ABOVE 2.8	190 190	70 200	70 250	70 306	TO 350	350 AND AGOVE	ME
2.4 TO 2.6 2.0 TO 2.4 1.8 TO 2.6 1.5 TO 1.6 1.5 TO 1.5		ı i	i i zi	1 1 5			3	2.4 TO 2.8 2.6 TO 2.4 1.8 TO 2.6 1.4 TO 1.8 1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3		1	:				1
1.1 10 1.2	•	72	195	53			36 254	1.1 70 1.2		15	33	ļ			35
0.8 TO 0.9 0.7 TO 0.8 0.6 TO 0.7 0.4 TO 0.6 0.2 TO 0.4 0. TO 0.2 00LOW 0. TIME (MIN) MAUT MILES	2	1	74	;			1 12 129	0.8 TO 0.9 6.7 TO 0.0 6.4 TO 0.7 6.4 TO 0.2 6.4 TO 0.2 6.4 TO 0.2			33				36
pont wire?	1.4 3.5	91.7 305.2	229.1 139.1	20. 8 97. 2			243.0 1345.7	TIME (MIN)		29.9 111.)	294.7 1172.9	30. 9 159: 5			315,5 1443,7
										••••					
	•		- 15,000		,000 FRET			***************************************		ALTITUDE	- 20,000	TO 25,	. P00 PEET		
LCAD FACTOR	LESS	EQUIVALEN	IT ASRSPE	160 - W	E (KINDTS)	200	TOTAL	FOVO		ALTITUM FOUTVALE	- 20,006 NT AIRSM	70 25,	E (E4075)	144	TOTAL
FACTOR No.	LESS THEA 150	EQUEVALEN 150 10 200	200 70 70 200 200	210 - W 210 30 300		350 AND ABOVE	TOTAL NZ	LOAD FACTOR MX ABOVE 2.8 2.4 TO 2.8 2.6 TO 2.6 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.5 TO 1.5 1.5 TO 1.5 1.5 TO 1.5	LESS THIRE 190	ALTITUDE FOUTVALED 190 100	- 20,000	TO 25,		350 840 46690	TOTAL R2
#ACTOR ME  46004 3.6 2.4 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.5 10 1.0	LESS THAN 150	EQUIVALEN	200 70 70 290 290	250 250 30 300	E (KINDTS)	310 AMD ASCUT	TOTAL NE	LOAD FACTOR ME 2-4 TO 2-8 2-6 TO 2-8 2-6 TO 2-6 1-5 TO 1-6 1-5 TO 1-6 1-5 TO 1-5 1-5 TO 1-5	LESS Podds 190	ALTITUDE COUTVALED 100 200	- 20,000 NY AIRSM 200 TO 230	FO 25, F10 - VO 250 70 340	E (E4075)	350 640 460VQ	101AL 82 0
#ACTOR #ACTOR 2-0 2-0 2-0 2-0 1-0 10 2-0 1-0 10 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-	LESS THAN 190	EQUIVALEN 130 70 200	200 70 70 290 290 290	200 - W 200 300 300 300 2 5	E (KINDTS)	230 AMP AGOVE	TOTAL NZ	LOAD FACTOR AND 2.4 TO 2.8 2.4 TO 2.8 2.6 TO 2.4 1.0 TO 2.4 1.0 TO 1.0 1.0 TO	LESS Poster 190	ALTITUDE FOUTPALEI TO	- 20,000 HT A1GSM 200 230 230 230 230 250 250 250 250 250 250 250 250 250 25	10 - vi 210 - vi 210 - vi 300	E (E4075)	350 AMD AGGVE	TOTAL ALL S
#ACTOR #ACTOR 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0	4833 THAN 130	130 10 10 10 10 10 10 10 10 10 10 10 10 10	200 70 70 70 250 250 250 250 25 25 26 25 26 25 26 25 26 25 25 25 25 25 25 25 25 25 25 25 25 25	250 - W 70 300 300 2 5 7	E (1007%) 300 TO 10 390	250 AAD ABOVE	107AL NZ	LOAD FACTOR	190 190	ALVETURE EDUTATION TO THE PROPERTY OF THE PROP	- 20,000 NY 418344 200 100 230 230	10 25, 110 - W 200 10 300 3	E (RMDTS) 100 10 310 310	350 640 460°C	707 AL R2 0 01
### ACTOR  ### ACCORD  2-0 TO 2-0  1-0 TO 2-0  1-0 TO 2-0  1-1 TO 1-0  1-2 TO	L013 TMAA 110	Contracts	200 70 70 290 290 290 39 30 30 30 400.3	200 - W 200 200 200 200 2 5 7 7 71.7	E (1307%) 300 10 10 300 200	210 AND ASSURE	101AL 42 11 11 43 44 45 45 45 45 45 45 45 45 45 45 45 45	LOAD FACTOR AND 2.4 TO 2.8 2.4 TO 2.8 2.6 TO 2.4 1.0 TO 2.4 1.0 TO 1.0 1.0 TO	190 190	ALTERNEE  ALTERN	- 20,000 NY A163M 200 10 230 2 4 45 17 8	10 25, 10 - w 200 10 300 3 1 10.4	E (MMDTS) 100 10 10 200 200	350 600 46694	2536-0
### ACTOR MATERIAL PROPERTY OF THE PROPERTY OF	LESS THAN 250	130 10 10 200 1 1 1 1 200.0 874.6 4,717406	200 70 70 290 290 290 39 30 30 30 400.3	200 - W 200 200 200 200 2 5 7 7 71.7	E (1007%) 300 TO 10 390	2100 AMD AGOVE	101AL 42 11 11 43 44 45 45 45 45 45 45 45 45 45 45 45 45	LOAD FACTOR  ABOVE 2.8 2.4 TO 2.8 2.4 TO 2.8 2.6 TO 2.6 1.0 TO 2.0 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 0.7	190 190	ALVETUGE 200 200 200 200 200 200 200 200 200 200	- 20,000 NY A163M 200 10 230 2 4 45 17 8	10 25, 10 - w 200 10 300 3 1 10.4	E (EMDTS) 100 10 10 310 10 10 10 10 10 10 10 10 10 10 10 10 1	35.0 6.000 6.000 6.000 6.000 6.000 6.000	2004.0
### ### ### ### ### ### ### ### ### ##	190	CONTACTOR  130  100  100  100  100  100  100  10	200 200 200 200 200 200 200 200 200 200	200 - W 200 100 100 100 100 100 100 100 100 100	E (EMPTS) 300 10 300 10 300 400 400 400 400 400 400 400 400 40	2100 AMD ACOVE	1074L NE 11 11 11 11 11 11 11 11 11 11 11 11 11	LOAD FACTOR OR ADOVE 2.8 2.4 TO 2.8 2.4 TO 2.8 2.4 TO 2.8 1.9 TO 1.8 1.9 TO 1.8 1.9 TO	Less.	ALVITUGE 100 100 100 100 100 100 100 10	- 20,000 NY A103M 200 TO	TO 25, FILD - VI 250 100 100 100 100 100 100 100 100 100 1	E (MMDTS) 100 10 10 200 200		2004. 00 01 05 7
### ACTION MATERIAL PROPERTY OF THE PROPERTY O	190	200.0 200.0	200 70 200 70 200 70 200 70 200 70 200 70 70 70 70 70 70 70 70 70 70 70 70 7	200 - W 200 100 100 100 100 100 100 100 100 100	E (EMPTS) 300 10 300 10 300 400 400 400 400 400 400 400 400 40	310 AND ADOVE	107AL NZ 11 11 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	LOAD FACTOR  OR  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.0 TO 2.0 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 0.7 1.6 TO 0.7 1.7 TO 0.7 1.7 TO 0.7 1.8 TO	Less.	ALTITUE TOUTPALE 100 100 100 100 100 100 100 10	- 20,000 NY A103M 200 TO	TO 25, FILD - VI 250 100 100 100 100 100 100 100 100 100 1	E (EMDTS) 100 10 10 310 10 10 10 10 10 10 10 10 10 10 10 10 1		2004. 00 01 05 7 7 2004.0 12117.7

Table 43

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission I (long Range Logistics)

Gross Weight Range: 105,000 to 115,000 lb. 0 TO 7,000 FEET ALTITUDE - 2,000 TO ALTITUDE EQUIVALENT AIRSPEED - VE IKNOTS) EQUIVALENT ALRSPEED -LOAD FACTOR LESS THAN 150 13C 10 200 100 10 250 250 TO 300 300 10 350 250 10 300 300 70 350 150 10 200 **W2** ACOVE 2.6 2.4 TO 2.6 2.0 TO 2.4 1.8 TO 2.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.3 TO 1.4 1.2 TO 1.3 1.1 FO 1.2 #60ve 2.4 fo 2.0 fo 1.8 fo 1.5 fo 1.5 fo 1.4 fo 1.2 fo 1.1 fo 2 2 23 186 1975 ,11 ,21 ,213 1 9 9 9 1 1 11 79 320 29 134 590 1 17 17 15 41 131 \*\* 3 0.0 10 0.9 0.7 70 0.0 0.6 70 0.7 0.4 70 0.4 0.2 70 0.4 0.2 70 0.4 0.10 0.2 01.00 0.2 11mt (Min) May Files 0.8 TO 0.9 0.7 TO 0.8 6.4 TO 0.7 0.4 TO 6.4 0.2 TO 0.4 0. TO 6.4 0. TO 6.4 TIME (RIM) MAUT MILES 219 26 2 714 58 3 497 26 10 21 110 495.3 10 15,000 PEET 44.111100 ALTITUDE 5.000 TH 10.000 FEET LOAS FACTOR OZ LESS THAN 190 300 78 350 LESS THAN 150 150 75 200 150 10 200 300 10 354 AGOVE 2.0 2.4 TO 2.6 2.4 TO 2.6 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.5 TO 1.3 1.3 TO 1.3 1.3 TO 1.3 1.3 TO 1.3 1.3 TO 1.3 1.4 TO 1.3 1.4 TO 0.4 0.4 TO 0.4 0 ABOVE 2.4 TO 2.8 TO 1.0 TO 1.0 TO 1.5 TO 1.4 TO 1.3 TO 1.2 TO 2.0 2.4 2.0 1.0 1.4 1.5 1.4 1 2 4 12 105 13 44 200 3 3 3 34 271 1 2 7 10 # 12 4 3 10 0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.4 0.0 TO 0.4 0.2 TO 0.4 0. TO 0.3 TIME (MAN) MANY MILES 110 137 29 2 2 1 27 20 23 34.8 10.7 12.0 4.7170 700 10 754 LESS 190 150 10 700 2700 100 200 304 70 300 196 70 700 200 10 254 100 70 100 40000 2-0
2-4 70 2-0
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Table 44

Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)

Gross Weight Range: 115,000 to 125,000 lb.

		ALTITUDE		10 2,	<b>600</b> FEET					ALTITUDE	- 2,000	TO 5,6	100 FEET		
LOAS FACTOR	1622	190				250	TOTAL	LOAG FACTOR	LESS	EGUTYALEN		294	1880751 200	390	TOTAL
N2	1944 196	190 10 300	200 10 200	256 78 366	306 TO 350	AND AND ADDVE	mž	N2	1940 190	100 10 720	100 100 250	10 300	100 10 350	AMO	**
2.4 TO 2.8 2.6 TO 2.4 1.8 TO 2.6 1.5 TO 1.6 1.5 TO 1.4 1.4 TO 1.9								2.4 TO 2.4 2.6 TO 2.4 1.0 TO 2.6							
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1.3 fo 1.4 1.7 fo 1.3 1.1 fo 1.2	30 336	17 40 177	22	1			31 103 526	2.4 TO 2.0 2.6 TO 2.4 1.0 TO 2.6 1.5 TO 1.6 1.5 TO 1.5 1.7 TO 1.5 1.1 TO 1.3	33 224	10 77 324	23 66	;			21 137 621
	205 10	162 17	•				315 35 7	3.4 10 0.4 8.7 10 8.8	135 17	200 27	27				172 51
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OCLOW &. TIME EMINE	æ1.2	101-+	15.2	0.6 2.3			194.4 617.7	e, 10 e,2 ector e. temt (man) hour miles	129.5	200.1	03.3	9.5	0.2 1.0		542.7 1514.2
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Table 45
Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 125,000 to 135,000 lb.

		4.1:1006	: - : 41 AERS#		100 FEET					44.717.0E	- 2,000 57 40059		000 FEET		
LCAS FACTOR	1855	156	393 72	295	300	396	TCTAL	LCAT FACTOR	1433	150	29C	250	300	39:	1514.
480vE 2.8 2.4 TS 2.8 2.5 TS 2.4 1.8 TS 2.6	195 185	300	25€	50¢	350	ANC + E	**	62 12 2.8 2.6 72 2.8 2.6 72 2.8	19:	\$50	252	320	39:	40016	<b>\1</b>
2.0 10 2.4 1.0 10 2.0 1.6 10 2.0 1.5 10 2.6 1.5 10 2.5 1.3 10 2.5 1.3 10 2.4	1 19	i 2 9	i 7 11	1 1			1 2 3 16 111	2.5 72 2.4 1.0 72 2.5 1.0 72 1.0 1.1 72 1.0 1.3 72 1.0 1.3 72 1.4 1.3 72 1.4	i	;	1 i	:			5
1.1 /5 1.2	169	248 142	53				440	1-1 75 1-2	13	176	34	į			224
C.0 13 C.9 C.7 73 C.8 C.0 13 C.7 C.0 15 C.0 C.2 73 C.4 C. 15 C.2 BELSO C.	13	10	17				34	C.0 70 C.0 C.7 FC C.0 C.0 TC C.7 C.0 TC C.0 C.0 TC C.0 C.0 TC C.0 C.0 TC C.0	i	10	21				:37 23
TIME (MIN) NAUT PILES	82.6 217.6	122.2	14.9	6. 5 1. 4			226.5	TOP LOIS	*,4 22.4	200.5	33.5	*. 5 26. 1			270.3 923.3
		MITTE	- 5,000	TC 10.	C00 FEET					44717.00		11 11.	4461		
LCAD			42054				TETAL	LCA3		10.1944			149C7\$1		1214.
*44700	1855 1846 190	19C 15:	700 70 250	790 70 300	30E 73 38C	19C 44C 40C71	4	441734 42	LESS THAN 197	19C 12 32C	201 291	155 11 300	351 71 350	392 492 401 t	M
2.4 F3 2.0 2.4 F3 2.0 2.6 F0 2.4 1.0 F0 2.0 1.0 F0 1.0 1.5 F3 1.0 1.3 F0 1.3		3						#2148 2.8 2.4 70 2.6 2.7 10 2.6 1.6 70 2.0 1.6 70 1.8 1.5 70 1.6 1.6 70 1.5							
1.2 18 1.3		12 75	25	3			19 136	1.2 15 1.3		**	1	1			110
6.0 TG 6.7 6.7 TG 6.8 6.6 TG 6.5 6.7 TG 6.6 6.2 TG 6.4		"	15				78	C.8 *1		4;	30 J				1
6. 70 6.2 66.00 C. 71.00 (016) 66.07 (016)		437.4 1441.7 44117 <b>46</b>	194.4	1. ¢ 4. ¢ 10. ¿¢.	400 EEE1		\$40.0 100).5	C. TO C.2 BELDO C. TIME LMINI NAUT MILES	1.0	974.3 2301.2	(1.3 413.C t - 22.0C:	33.1	(36 9861		775.1 2030.3
		~		.4								, , , , ,	·		
		-	47 41632	210 - W	1440751							4i: - 4	:490751		
rector	1433 (man	134		290	-	110 440	7674L	1545 146138 M	1833 Trada	195	In. 41454	394	300	190 450	1214.
FACTOR  ANGER 2.8 2.4 10 d.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.0	1833 (1900 1900	30C 1C 12C 13C	200 70 294	250 10 360	16407\$; 306 12 356	ste ave accre	71 1	#42130 #42132 2.8 2.0 73 2.0 2.7 73 2.0 1.0 73 2.0 1.0 70 1.0 1.1 70 1.0 1.2 70 1.0	CESS THAN 19C	200 190 190 190 Ivak		396 13 296		26 24 100 100	1 14 23
### ### ### ### ### ### #### #### ######	390	150 10 200 11	200 70 200 200	790 70 300	306 13	90CM 940 940	#46 F	*ACT 38 M * *** *** *** *** *** *** *** *** ***	THAN ESC	190 190 190 190 190 190 190	200 200 200 200 200 200	\$96 12 300	300 12	800	1 14 71 1300
### 100 mm  ### 2.8  2.0 10 4.8  2.0 10 2.0  2.0 10 2.0  1.0 10 1.0  1.0 70 1.0  1.0 70 1.0  1.1 10 1.0  1.2 10 1.0  1.3 10 1.0  1.3 10 1.0  1.4 10 1.2  1.5 10 1.3  1.5 10 1.	190	30C 1C 12C 13C	200 70 294	250 10 360	306 13	ste ava acret	71 1	#ACT 38 Md  #STUE 2.8 2.0 2.0 12 2.0 2.0 12 2.0 1.0 12 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	TPM 19C	200 190 190 190 Ivak	en' asasa en' en' esc asc	396 13 296	300 12	800	1 14 23
#60100	390	156 100 200 200 3 47 70 3	200 70 290 304 304 152	790 70 300	306 13	STO STO SECVE	10 056 056 133	#40730 Md  #5078 2.8  2.0 73 2.0  2.1 70 2.6  1.0 70 2.6  1.0 70 2.6  1.0 70 2.6  1.3 70 2	7040 19C	190 150 150 200 200 200 200 200 200 200 200 200 2	10" 6165" 20" 7" 20C	\$96 12 300	300 12	800	1 14 71 1300
### ### ### ### ### ### ### ### ### ##	3 2	156 10 200 21 27 20 27 20 25 25 25 25 25 25 25 25 25 25 25 25 25	200 70 290 290 200 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	230 10 100 100 1 1 1 230, 6 1 150, 7	366 12 316	550 648 8604	1 52 646 233 10 10	**************************************	7040 19C	190 12 15 15 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20	10 25C	256 12 300 300 2 1	300 12 390	800	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
### ### ### ### ### ### ### ### ### ##	7.0 20.3	150 10 200 3 27 70 5 1270.9 12802.1 4,717460	200 70 29c 30c 30c 112 11 11 1120 90 11 11 1120 90 90 11 11 1120 90 90 90 11 11 11 11 11 11 11 11 11 11 11 11 11	230 70 300 3 3 3 230, 6 1110, 7 70 34, 6	1440181 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		# # # # # # # # # # # # # # # # # # #	#ACT 20 #ACT 20 #AC	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	######################################	10 10100 10101 101	256 12 300 2 1 1 266,4 1700,8 17 450	100 100 100 100 100 100 100 100 100 100	ac uol	20 12 20 20 20 20 20 20 20 20 20 20 20 20 20
### ### ### ### ### ### ### ### ### ##	3 2	156 10 200 21 27 20 27 20 25 25 25 25 25 25 25 25 25 25 25 25 25	200 70 290 290 200 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	230 10 100 100 1 1 1 230, 6 1 150, 7	366 12 316	STO AND ADDRESS OF ADD	10 52 000 10 10 10 10 10 10 10 10 10 10 10 10	## 120 ## 4	196 396 4 3	190 12 15 15 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20	207 27 29C LC 25 003 21 10 8 1	256 12 300 300 2 1	10 190 190 190 190 190 190 190 190 190 1	800	20 10 21 200 42 20 20 20 20 20 20 20 20 20 20 20 20 20
### ### ### ### ### ### ### ### ### ##	7.0 20.3	150 10 20 27 70 5 1170.9 13042.1 4,717460 100 100 20 20 20 20	200 70 29C	230 70 300 3 3 3 230, 6 1110, 7 70 34, 6	1440181 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		1 22 046 233 34 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	#ACT 38  #ACT 28  #AC	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	### 1944 194 194 194 194 194 194 194 194 19	10" 41454 20" 21" 25C	256 12 300 2 1 1 266,4 1700,8 17 450	300 12 300 300 300 300 300 300 300 300 300 30	ase need	20 12 20 20 20 20 20 20 20 20 20 20 20 20 20
### ### ### ### ### ### ### ### ### ##	7.0 20.3	150 10 200 3 27 70 5 1270.9 12802.1 4,717460	200 70 290 30 30 11 11 11 11 11 11 10 10 11 11 11 11 11	230 70 300 3 3 3 230, 6 1110, 7 70 34, 6	1440181 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		terse of	#ACT 28  #AC	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	### 1944 194 194 194 194 194 194 194 194 19	10 1010 10 10 1010 10 10 1010 10 10 1010 10 10 1010 10 10 1010 10 10 1010 10 10 10 10 10 10 10 10 10 10 10 10 10 1	256 12 300 2 1 1 266,4 1700,8 17 450	300 12 300 300 300 300 300 300 300 300 300 30	ase need	13 10 11 10 10 10 10 10 10 10 10 10 10 10
### ### ### ### ### ### ### ### ### ##	7.0 20.3	150 10 200 20 21 21 21 20 20 20 20 20 21 22 21 22 21 22 21	200 70 290 290 30 30 30 30 31 11 11 11 11 11 11 11 11 11 11 11 11	230 70 300 3 3 3 230, 6 1110, 7 70 34, 6	1440181 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		1 32 000 10 10 10 10 10 10 10 10 10 10 10 10	#46138  #4778 2.8  #47	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	23 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25	10" 4165"  20"  25"  25C  25   26   27   28C  28   28   28   28   28   29   29   20   20   20   20   20   20	256 12 300 2 1 1 266,4 1700,8 17 450	300 12 300 300 300 300 300 300 300 300 300 30	ase need	2 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10
### ### ### ### ### ### ### ### ### ##	7 20 3	150 10 20 27 70 3 1179.5 13304.1 6,717.60 70 70 70 70 70 70 70 70	200 70 290 30 30 30 30 30 30 30 413 413 413 90 70 70 70	230 70 300 3 3 3 230, 6 1110, 7 70 34, 6	1440181 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		terse of	#46138  #4778 2.8  #47	3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	190 200 100 100 100 100 100 100 100 100 10	10" 4165"  20" 25C  10" 25C  10" 25C  25 000  4"1 100001,2 1000001,2 10 100001,2 10 100001,2 10 100001,2 10 100001,2 10 100001	256 12 300 2 1 1 266,4 1700,8 17 450	300 12 300 300 300 300 300 300 300 300 300 30	ase need	20 12 20 12 12 12 12 12 12 12 12 12 12 12 12 12

Table 46 Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 135,000 lb. and Above

		ALTITUGE			C00 FEET					ALTITUCE	- 2,665	10 5,0	30 FEET		
LCAD			MT AIRSP		(KNOTS)		TOTAL	LCAD			MT AIRSM		(COCTS)		TSTAL
FACTOR NZ	LESS THAN 15C	150 70 200	200 10 256	290 10 300	300 386	AND AND ABCVE	71	FACTOR NZ	LESS TPA4 190	196 70 206	20C 7G 25C	230 27 300	300 70 350	35G ANG ABCVE	*1
##CVE 2.9 2.4 f0 2.4 2.0 f0 2.4 1.6 f0 2.0 1.6 f0 1.8 1.5 f0 1.8 1.3 f0 1.5 1.2 f0 1.4 1.2 f0 1.2	1 7 74 811	1 7 55 389 1270	1 19 34 12"	1 1 7 21 10	,	7544	1 10 90 921 1250	ABCVE 2.8 2.4 TG 2.6 2.0 TG 2.4 1.8 TG 2.0 1.6 TG 1.6 1.6 TG 1.6 1.6 TG 1.5 1.8 TG 1.4 1.8 TG 1.4 1.8 TG 1.4	1 4 35	2 14 96 648	2 1 5 52 214	1 10 20 34			2 5 31 174 951
C.8 TO C.8 C.7 TO C.8 C.6 TO C.7 C.6 TO C.6 C.2 TO C.6 O. TO C.2 RECOM C. TIME (MIM)	4C2 43 3	687 67 11 1	81 15 1	1 & 1 C S 2 2			1148 125 20 3	0.0 TO C.0 0.7 TO G.0 0.0 TO C.7 0.4 TO C.4 C. TO C.2 0ELOS C.	*1 f	453 45 8 2	133 13 1 2	22			629 65 12 5
NAUT MILES	1077.2	\$645°C	252.4	41.7	0.4 2.1		3465.7	TIPE (#14) HAUT PILES	20.8 50.4	1040.2	332.5 1316.8	295.9	7.7		1434.3
		ALT ITUDE	- <b>5.0</b> 0C	TO 10,	COO FEET					ALTITUDE	- 10,000	TG 15.0	:00 FEET		
LUAD		EGUIVALE			(ENOTS)		TOTAL	LCAD		EGUTVALE			1#807\$1	***	TOTAL
FACTOR NJ	LESS THAY 150	150 70 200	200 70 250	250 10 300	300 10 350	VECAE 740 330	*4	PACTOR NZ	LESS TMAA 15C	150 70 200	290 70 250	290 10 300	306 70 350	350 AND ABCVE	42
ABOVE 2.0 2.0 10 2.4 2.0 10 2.4 1.2 10 2.0 1.5 10 1.0 1.5 10 1.5 1.3 10 1.4 1.2 10 1.2	1	1 17 230	1 2 133	1 1 12			3 20 384	ABCVE 2.8 2.4 TO 2.4 1.6 TO 2.0 1.6 TO 1.8 1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3	1	1 5 11 119	ş 91	1			1 9 15 176
v.0 10 0.9	2	1+6	57	7			250	C. 0 TO C. 9	1	•1	2.				151
0.7 TU S.8 0.6 TO 0.7 0.4 TO 0.6 0.2 TO 0.4 0. TO 0.2		20	3				23	0.7 TO C.8 C.4 TO C.7 C.4 TO C.6 C.2 TO C.4 G. TO C.2 BELOW C.		12	1				11
TIME (MEL)	27.3	\$037.7 6031.0	363.9	20. ¢ 91. 4			2427.8 8430.6	TIME (MIN) NAUT MILES	25.7 75.5	2740.2 9460.6	433.1 1967,4	59.1 324.4			3278.1 11972.4
		ALTITUO	E " 15,000	70 2C,	C00 FEET					441110	DE - 50.0C	C 70 2*	.600 FEET		
LOAD		ALTITUO			COO FEET		T:9754	A CAD		al Titus Eguival			.COO FEET E (44075)		TOTAL
GADJ RCTJAF SA SA SVOGA	LESS INAM 230				(40075)	390 AND ANDVE	T.9754 ME	LCAD FACTOR Ng ADGVE 2.8	LESS THAN 150						TOTAL MZ
PACTOR No.	i HAM	150 150	ENT AIRS	-610 - VE 250 70	300 10	440		FACTOR No	THAT	EGUIVAL 150 TD	.647 AIRS <b>200</b> 70	PEED - V 250 10	300 10	35e	42
#ACTOR NAME	**************************************	200 200 200 200 200 200	200 70 70 750 750 4	300 10 250 10 250	300 10	440	92 5 72 630 572	PACTOR M2  40016 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.4 TO 1.1 1.3 TO 1.4 1.3 TO 1.4 1.3 TO 1.5 1.1 TO 1.5 1.1 TO 1.5 1.1 TO 1.5	150 150	130 200 200 200 200	200 70 70 250 250	PEED - V 250 TO 300	300 10	35e	1 1 15 75 774 561
#ACTOR NO.	178 298	150 70 200	890 70 750 750	250 - VE 250 70 300	300 10	440	92 5 72 630	PACTOR  ACCUR 2.6 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.1 TO 1.0 1.2 TO 1.0 1.3 TO 1.0 1.4	150 150	ECUIVAL 150 200 200	200 70 250 250	PEED - V 250 TO 300	300 10	35e	1 15 75 774
#ACTOR	ikam 290 4 9	200 200 200 200 200 200	200 TO	250 - VE 250 70 300	300 10	440	92 5 72 630 572 14	PACTOR  ABOUT 2.6 2.4 TO 2.4 2.0 TO 2.4 1.5 TO 2.6 1.5 TO 1.6 1.5 TO 1.6 1.1 TO 1.6 1.2 TO 1.7 1.1 TO 1.7 1.1 TO 1.7 1.1 TO 1.7 0.6 TO 6.9 0.7 TO 6.0 0.7 TO 6.0 0.7 TO 6.0	150 150	EGUIVAL 156 70 200 41 337 200 21 1	247 4185 70 70 250 1 4 4 28 400 250	PEED - V 250 TO 300	300 10	35e	1 1 19 73 774 981 31
#ACTOR NO. 200	iran 290 5 13 2	340 250 260 260 260 260 260 260 260 260 260 26	200 TO	250 - VE 250 70 300 2 1	180075) 200 10 350	440	92 5 72 630 572 14 0 3	PACTOR  ACCUR 2.6 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0	1 1 0 2 0 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0	EGUIVAL 156 70 200 41 331 200 21 1 1 10 10 10 10 10 10 10 10	247 4185 70 70 250 1 4 4 20 400 247 257 2	PEED - V 250 TD 300 300 2	E (44075) 300 TO 350	35e	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
######################################	126 L 126 L 126 L	150 70 200 200 200 200 200 200 200 200 200	200 TO TSO TO TSO TO TSO TO TSO TSO TSO TSO	250 - VE 250 70 300 2 1 401.5 10 37.6	18(075) 200 10 200 200 200 200 200 200 200 200	ABOVE	92 5 72 630 572 14 0 3	PACTOR  ME  40CVE 2.6 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.1 TO 1.0	110-2 419-3	EGUIVAL	200 TD 250 TD 25	250 TD 250 TD 300 TD 300 TD 300 TD 300 TD 300 TD 400 TD 40	E (44075) 200 70 250 250	35e A40 A8GVE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
#ACTOR No.	120-1 120-1 120-1	200 200 200 200 200 200 200 200 200 200	200 TO	250 - VE 250 70 300 2 1 401.5 10 37.6	180075) 200 10 350	ABOVE	\$55522.4 \$ 3 \$ 2.55 \$ 430 \$ 2.55 \$ 430 \$ br>400 \$ 4	PACTOR  ACCUR 2.6 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0	110.2 24 30 24 3	EGUIVAL	200 TD 250 TD 25	PEED - V 250 TD 300 300 2	E (44075) 200 70 250 250	35e A40 A8GVE	1 13 23 73 774 561 31 3 7 1
######################################	126 L 126 L 126 L	150 70 200 200 200 200 200 200 200 200 200	200 TO TSO TO TSO TO TSO TO TSO TSO TSO TSO	250 - VE 250 70 300 2 1	18/87/53 300 10 399 20 20 20 20 20 20 20 20 20 20 20 20 20	440	972 100 300 100 100 100 100 100 100 100 100	PACTOR PACTOR PACTOR PACTOR 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.1 T	110-2 419-3	EGUIVAL 156 70 200 41 331 200 21 1 1 10 10 10 10 10 10 10 10	247 4183 200 70 250 1 1 4 4 40 400 267 23 1	250 TD 250 TD 300 TD 300 TD 300 TD 300 TD 300 TD 400 TD 40	E (44075) 300 TO 350	35e	1 1974L
######################################	120-1 120-1 120-1		ENT AIRS, 290 TO	250 - VE 250 70 300 2 1 401.5 10 37.6	18/87/53 300 10 399 20 20 20 20 20 20 20 20 20 20 20 20 20	ABOVE	92 225 4 100 300 - 3	PACTOR  ACCVE 2.6  2.0 TO 2.0  2.0 TO 2.0  1.0 TO 2.0  1.0 TO 2.0  1.0 TO 1.0  1.0 TO 1.0  1.0 TO 1.0  1.1 TO 1.0  1.2 TO 1.0  1.2 TO 1.0  1.2 TO 0.0  1.2 TO 0.0  1.3 TO 0.0  1.4 TO 0.0  1.5 TO 0.0  1.6 TO 0.7  1.6 TO 0.7  1.7 TO 0.0  1.8 TO 0.0  1.8 TO 0.0  1.9 TO 0.0	110.2 24 30 24 3	EGUIVAL	200 TD 250 TD 25	250 TD 250 TD 300 TD 300 TD 300 TD 300 TD 300 TD 400 TD 40	E (44075) 200 70 250 250	35e A40 A8GVE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Table 47

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission II (Short Range Logistics)

Gross Weight Range: Below 85,000 lb.

		ALTITUDE EQLIVALEN		: 10 2, !EED ~ VE	COO FEET					ALTITUDE EGLIVALE			COC FEET		TOTAL
ABOVE 2-4 	LESS THE? 150	150 70 240	200 70 250	250 10 330	300 70 350	350 A4D ABCVE	707AL 42	ECAD FACTOR NZ 480v6 2-8 2-6 TO 2-8 2-0 TO 2-4 1-8 TO 2-0 1-6 TO 1-8	LESS 1 man 190	150 10 200	200 T2 250	250 73 300	300 72 390	350 AND ABOVE	42
1.5 TO 1.4 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2	i	;	1 2 2				1 5 7 22	1.5 10 1.6 1.6 73 1.5 1.3 70 1.6 1.2 70 1.3 1.1 70 1.2			1				ì
6.6 TO C.9 0.7 TO C.9 0.6 TO 0.7 0.4 TO C.6 C.2 TO C.4 C. TO 0.2 86LOB C.	;	<b>6</b> 1	2				10	C.8 TO C.9 C.7 TO C.8 C.4 TO C.7 C.4 TC C.4 C.2 TO C.4 C. TO C.2 BELDO C.			1				ì
TIME (MIN) NAUT MILES	21.2	17.7	1.3				17.4	TIME INTES		2.1	3.7				3.# 12.#

		60-144-6			LGO FEET		TOTAL	LOAD		ALTITUDE		70 2C.,	iao FEET (ENGTS)		1214.
ractor ma	LESS THAR 190	198 78 200	200 72 250	250 T0 300	304 10 310	350 446 4007E	101.00	FACTOR	1855 1849 196	1 90 70 200	200 200 200	290 10 300	302 1C 39C	950 4004E	M
8.5 20 2.4 2.4 20 2.4 2.5 20 2.4 2.6 20 2.6 2.6 20 2.6 2.7 20 2.5 2.7 20			•				•	AGCVE 2.8 2.4 10 2.4 2.6 10 2.4 1.8 10 2.6 1.9 10 1.6 1.1 10 1.5 1.1 10 1.3 1.2 10 1.3			3				11
0.0 10 0.0 0.7 10 0.0 0.0 15 0.7 1.0 10 0.0 0.2 70 0.0 0.10 0.1 00.00 0.1 1300 10010			2.5					0.0 10 0.0 0.7 10 0.0 0.6 16 0.7 0.4 10 0.0 0.2 10 0.4 0. 10 0.4 0. 10 0.4 0.100 0.7			in 4				11
4601 -TLES			11:1				11.:	alof dilit			100.0				100

Table 48 Maneuver Load Factors by Equivalent Airspeed and Altitude Mission II (Short Range Logistics)
Gross Weight Range: 85,000 to 95,000 lb.

							(ange:	85,000							
		ALTITUDE	• c	fQ 2,	C00 FEET					ALTITUDE	- 2.0CC	to 🔩	C00 FEET		
LCAD		EGUIVALEN	T AIRSP	860 - AS	(KNOTS)		TOTAL	LCAD		ECLIVALE	HT ALRSPI	610 - AE	ERNOTS		TOTAL
FACTOR NE	LESS IMAN 190	150 10 200	200 70 250	250 10 300	300 10 350	ANO ANO ABOVE	ME	FACTOR MZ	LESS THAM 19C	150 70 200	200 70 250	250 70 300	300 TO 350	390 AND ABCVE	il.
## 10 2.0 2.4 TO 2.0 2.0 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3		2	1				2	ABOVE 2.8 2.4 TO 2.4 1.8 TO 2.0 1.6 TO 1.0 1.5 TO 1.6 1.3 TO 1.5 1.3 TO 1.3 1.1 TO 1.3		ì	\$	1			; ;
1.3 TO 1.4 1.2 YO 1.3 1.1 TO 1.2	5 14 135	21. 74	1 7				12 34 318	1.3 70 1.4 1.2 70 1.3 1.1 70 1.2	1 3 17	14 43	25	70 7	1		12 31 116
0.8 10 0.9 0.7 10 0.8 0.4 10 0.7 0.4 10 0.4 0.2 10 0.4 0. 10 0.2 0.4 0.2	102 14 2	39	ł				142 23 2	0.8 TD C.9 0.7 TO C.8 0.6 TO 0.7 0.4 TO C.6 0.2 TO G.4 0. TO G.2 8ELOW G.	17 2 1	40	13 1 1,	1 2			79 7 6
TIPE (MIN) NAUT MILES	93.3 202.8	43.1 119.2 ALTITUDE	5.2 18.2 - 5.00C	1.4 6.1 70 10.6	00 FJET		143.1 346.3	TIME (MIN) MAUT MILES	14.1 34.4	77.8 233.5 ALYITUC	44.0 144.0 10,000	10.1 45.6 70 15.	0.7 3.8 COO FEET		144.7
		EGUTYALEN			(RMDTS)					SOULVALI		-	IKNOTSI		
LOAD FACTOR ME	LESS THÂM 19C	150 70 200	700 TO 250	256 10 300	306 10 356	390 AMD AMDUR	TOTAL MZ	LC18 PACTOR NE	LESS THÁR 190	150 50 200	200 70 250	290 TG 300	300 TQ 350	390 AND AGOVE	TOTAL ME
### ### ### ### #### #################		1	1	1	<b>-</b>		ŧ	ABOVE 2.0 2.4 10 2.4 1.8 10 2.0 1.6 70 1.6 1.5 10 1.6 1.4 10 1.5 1.3 10 1.5 1.2 10 1.3 1.1 10 1.2			2	2	-3-2		i
1.4 to 1.5 1.3 to 1.4 1.2 to 1.3 1.1 to 1.2	1	32 2	52	•			17 01	1.2 10 1.3		7	22	1			;
0.0 10 C.7 0.7 10 0.6 0.6 10 0.7 0.4 10 0.6 0.2 10 0.4 0. 70 0.2	1	17	14	•			61 5 1	0.0 10 0.7 0.7 10 9.0 0.6 10 0.7 0.4 10 0.6		•	19 1	1			24
e. TO e.2 TIME (MIN) MAUT MYLES	e.4 2.4	30.7 163.6	102.4 426.7	50.1 236.6	1.5		206.0 037.3	e. 10 c.2 eclor e. Time imini Naut miles		14.2	131.7	21.4	1.3		144.6 772.0
		ALTITUDE	- 15,000	TO 20.											
					<b>600 FEET</b>					4L717U0	1 - 20,60C	10 2°,	000 FEET		
1000		CONTANT					Test As			EGL I VAL			CRESS:		
LOAO FACTOR NZ	LESS MAN	ECVIVALE	T 4145	£60 - A6	(RMSTS)	350 ARD	TOTAL M2	LOAD FACTOR GE	LESS THER	EGFTAVF	INT ATREM	160 - VE	(KNOTS)	390	TOTAL
FACTOR NZ	LESS Inde 190					350 460 46012	M2	FACTOR RE	LESS THAN 196		191 AIRSM 200 10 250 250			390 440 390	# P
FACTOR  ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.6 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 0.7 0.7 TO 0.7 0.4 TO 0.7 0.4 TO 0.7	LESS IMA 190	196 10 10 5001APE	900 000 07 000 000	210 - VE 210 10 300	(RMSTS)	354 680 66072	ME	FACTOR 40071 2.4 2.4 10 2.8 2.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 1.4 1.0 10 1.4 1.1 10 1.5 1.1 10 1.2 0.6 10 0.9 0.7 10 0.0 0.7 10 0.0	LESS THAN 13G	190 10 10 10 10 10	190 190 100 10 290	160 - VE	(KNOTS)	390 A100 A0CYE	ai .
FACTOR MZ 48000 2.0 2.4 70 2.0 2.6 70 2.0 1.6 70 2.0 1.5 70 1.0 1.3 70 1.4 1.2 70 1.3 1.1 70 1.2	LESS IMAN 190	2001VALES 130 70 200	200 Z200 L0	210 - VE 210 10 300	(RMSTS)	250 ARO AGOV 2	N2 0 39	FACTOR ## 400VE 2.4 2.4 10 2.4 10 2.4 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 1.5 10 1.4 10 1.5 10 1.4 10 1.5 1.1 10 1.2 10 1	LESS THAN 13G	10 200 1 1 14	100 250 10 250 1 6 27	160 - VE	(KNOTS)	350 AND ANCYE	47 1
FACTOR  ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.6 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 0.7 0.7 TO 0.7 0.4 TO 0.7 0.4 TO 0.7	LESS Inda 190	COUVALCE 130 200 10 200	200 70 200 200 200	290 10 10 300 2 2	1886TS) 200 10 200	390 680 680 46072	1 0 35 25	FACTOR 40071 2.4 2.4 10 2.8 2.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 1.4 1.0 10 1.4 1.1 10 1.5 1.1 10 1.2 0.6 10 0.9 0.7 10 0.0 0.7 10 0.0	LESS THAN 156	100 200 11 14 4 9	10 290 10 20 20 20 20 20 20 20 20 20 20 20 20 20	160 - vi 290 10 10 100	(KNOTS)	350 A40 A0CYE	1 7 41 33 1
FACTOR  ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.6 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 0.7 0.7 TO 0.7 0.4 TO 0.7 0.4 TO 0.7	LESS Triân 190	CEVIVALE1   136   16   200   16   200   16   200   16   200   16   200   16   200   16   200   16   200   16   200   2	17 A1654 170 170 250 16 29 18 4 192.5 709.1	290 100 100 300 2 2 5 2 2 3 2 17,3 95,0	1886TS) 200 10 200	290 680 680 46072	1 1 35 25 3 26 3	FACTOR 40071 2.4 2.4 10 2.8 2.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 1.4 1.0 10 1.4 1.1 10 1.5 1.1 10 1.2 0.6 10 0.9 0.7 10 0.0 0.7 10 0.0	LESS TMAN 150	100 200 11 14 4 9	200 100 100 100 250 100 250 100 100 100 100 100 100 100 100 100 1	290 - VE 290 100 300 300 300 300 300 300 300 300 30	(KNOTS)	390 240 390	407.0 1403.6
#ACTOR  ABOVE 2.0 2.4 10 2.0 2.4 10 2.0 2.5 10 2.0 1.5 10 1.0 1.5 10 1.0 1.5 10 1.0 1.5 10 1.0 1.7 10 1.0 0.7 10 0.0 0.7 10 0.7 0.4 10 0.7 0.6 10 0.7 0.6 10 0.7		136 10 200 1 1 1 5 1 1 20.2 65.9 ALTITUDE	17 4165/ 200 70 200 10 20 10 4 152.5 700.1 - 29.000	200 - VE 200	100 100 100 100 100 100 100 100 100 100	290 480 48071	1 0 35 25	FACTOR 40071 2.4 2.4 10 2.8 2.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 2.4 1.0 10 1.4 1.0 10 1.4 1.1 10 1.5 1.1 10 1.2 0.6 10 0.9 0.7 10 0.0 0.7 10 0.0	Inda 136	10 10 20 20 20 20 20 40 1120 40 40 40 40 40 40 40 40 40 40 40 40 40	200 TO 250 TO 25	200 - VE 100 100 100 100 200 100 100 100 100 100	######################################		1 7 41 33 1
#ACTOR  #ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.7 0.7 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0	LESS Pride 190 LESS Pride 190	200 200 200 200 200 200 200 200 200 200	17 A1654 170 170 250 16 29 18 4 192.5 709.1	290 100 100 300 2 2 5 2 2 3 2 17,3 95,0	1.3 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	390 480 48071	1 0 39 25 3 197.2 007.0	#40001 2.4 2-4 10 2.4 2-4 10 2.4 2-6 10 2.4 1-8 10 2.4 1-8 10 2.6 1-9 10 1.9 1-1 10 1.9	LESS THAN 15G	290.1 1120.0 290.1	200 100 100 100 250 100 250 100 100 100 100 100 100 100 100 100 1	290 - VE 290 100 300 300 300 300 300 300 300 300 30	**************************************	339 340 340 340 340 340 460vt	407.0 1007.0
#ACTOR  #ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.7 0.7 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0		136 10 200 1 1 1 5 1 1 20.2 65.9 ALTITUDE	17 4165/ 200 70 200 10 20 10 4 152.5 700.1 - 29.000	200 - VE 200	100 100 100 100 100 100 100 100 100 100	290 480 480 480 480 480 480 480	1 0 35 25 5 197.2 007.4	#40001 2.4 2-4 10 2.4 2-4 10 2.4 2-6 10 2.4 1-8 10 2.4 1-8 10 2.6 1-9 10 1.9 1-1 10 1.9	Inda 136	10 10 20 20 20 20 20 40 1120 40 40 40 40 40 40 40 40 40 40 40 40 40	200 TO 250 TO 25	200 - VE 100 100 100 100 200 100 100 100 100 100	######################################		407.0 1007.0
FACTOR  ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.7 1.1 TO 1.7 0.0 TO 3.0 0.0 TO 3.0 0.7 TO 0.0 0.0		136 10 200 1 1 1 5 1 1 20.2 65.9 ALTITUDE	17 4165/ 200 70 200 10 20 10 4 152.5 700.1 - 29.000	200 - VE 200	100 100 100 100 100 100 100 100 100 100	290 480 480 480 480 480 480 480 480	1 0 35 25 5 197.2 007.4	### PACTON ### ### ### ### ### ### ### ### ### #	150	10 10 20 20 20 20 20 40 1120 40 40 40 40 40 40 40 40 40 40 40 40 40	200 TO 250 TO 25	200 - VE 100 100 100 100 200 100 100 100 100 100	######################################		407.0 1007.0
#ACTOR  #ABOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.7 0.7 TO 0.0 0.0 TO 0.0 0.0		136 10 200 1 1 1 5 1 1 20.2 65.9 ALTITUDE	17 4165/ 200 70 200 10 20 10 4 152.5 700.1 - 29.000	200 - VE 200	170 10 10 100 100 100 100 100 100 100 10	290 600 600 40072	1 0 39 25 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#40001 2.4 2-4 10 2.4 2-4 10 2.4 2-6 10 2.4 1-8 10 2.4 1-8 10 2.6 1-9 10 1.9 1-1 10 1.9	150	10 10 20 20 20 20 20 40 1120 40 40 40 40 40 40 40 40 40 40 40 40 40	200 TO 250 TO 25	200 - VE 100 100 100 100 200 100 100 100 100 100	######################################		407.0 1007.0

Table 49

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission II (Short Range Logistics)

Gross Weight Range: 95,000 to 105,000 lb.

					,	-	_								
		41111009		10 7	,C00 PEET					ALTIT	uce - 2.00	CC 70	5,C30 PEE	i	
LCAD		EGLIVALE	NT ÁIRSP		E (KNOTS)		TOTAL	LCAD				. PEED -	VE INSCIS		TOTAL
PACTOR ME	LESS	15C	200	256 10 300	100 10 350	350 445 48546	52	PACTOR RZ	LESS THAN 190	150 10 200	10	250 70 300	300 10 350	350 248 1838	
8.5 SV28A	150	500	250	300	350	*****		48CVE 2.8 2.4 TG 2.8		200	270	200	,,,,		•
2.4 15 2.8 2.0 10 2.4 1.0 10 2.0 1.6 10 1.8 1.5 10 1.6			1				1 1	2.6 10 2.4 2.5 10 2.6 1.6 10 1.6			1 E				
1.5 70 1.6	į	3	1 2				1 5 15	1.5 70 1.6	1	,	2 3		r		21 74 200
1.2 70 1.3	172	108	62		**		59 362 1629	1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2	30	11	7 49	20	)		74 248 964
1.1 TO 1.2 C.8 TO C.9	8CG 972	3C4 193	315 1 <del>3</del> 4	10			959	0.8 TO C.9	176	27	z 139	14	)		
0.6 70 0.6	4	35	24 1				125	0.7 TO 0.8 0.6 TO 6.7 0.4 TO C.6	24	2 1	6 24 C 3	1			0G3 117 17 7
C.4 TO C.4 C.2 TO C.4 C. TO C.2	1						•	0.2 TG C.4 0. TO G.E		•	•				•
BELGE (MIN)	334.9	154.C	134.+	2.6			630.1 1715.5	BELOW C. TIME (MIN) MAUT MILES	121.0 290.1	271.	7 173.9	28.6	5.5 31.3		600.7 1933.0
MALT MILES	739.0	438.4	- 5,000		C00 FEET		******		0.000		E - 10,000		COO FEET		
			IT ALREP		(KNOTS)		TOTAL	L CAD		69U1V4L	ENT AIRSPI	ED - VE	(KNOTS)		TOTAL
LCAD FACTUR RE	LESS	150 TO	266 16	250 TO	300 10	350 AND	M/	PACTOR NZ	LESS	150 10	200 10	250 70	360 TD	350 AND	NZ
8.5 340£E	150	200	250	300	350	ABCVE		ABCVE 2.8	150	200	250	300	350	ABCVE	
2.4 TO 2.8 2.6 TO 2.4 1.8 TO 2.6		2	1				3	2.4 TO 2.6 2.6 TO 2.4 1.8 TO 2.6							
1.6 70 1.8		4	3 3 7	,			j	1.6 70 1.6 1.5 70 1.6 1.4 70 1.5							
1.4 10 1.5 1.3 70 1.4 1.2 10 1.3	1	42	15 41	ļ			14 25 94	1.3 10 1.4		2 15	•	2			21
0.0 10 0.9	•	165 119	160	17 25	1		367 259	0.0 10 1.2	1	61 35	44 39	22			147
C.7 10 0.8 0.6 10 C.7	2	24	12		•		11	C.7 TO Q.8 C.6 TO C.7	•	5	7	i			10
0.2 10 0.4	1	1	,				i	0.4 10 0.4 0.2 10 0.4 c. 10 0.2		1					1
BELOW C.								SELON C.							
TIME (MIN)	3.1	213.0	420.3	120.5	14.0		778.9	TIPE (MIN)	1.4	133.5	270.3	40.7			474.0
HAUT MILES	3.1 0.7	712.9	1804.2	612.9	80.5		778.9 3210.9	TIPE (MIN) MAUT MILES	4.4	473.2	1264.2	354.2	AA 8487		2095.9
NAUT MILES	3.1 6.7	712.9	1804.2 - 15.000	612.9 : 70 20	90.2 ,COO FEET		3214.4	Tipe (Mih) Maut Miles	4.4	473.2	- 50.00c	354.2 TO 25,C	00 FEET		2095.9
LUAD FACTOR	0.7 LESS	712.9 ALT17UDG EGL VALG	1804.2   - 19,000  41 A[RSF	412.9 : TO 20 !EED - Y	90.2 ,c00 FEET E (RNGTS) 300	350	3216.9 TOTAL	TIPE (Mim) MAUT MILES  LCAD FACTOR	4.4 LESS	473.2 ALTITUDE EQUIVALE	1264.2 - 20.00c PB42RIA TF	394.2 TO 29,C IO - VE 230	(KN015)	350 440	2005.0 TOTAL
LGAD FACTOR RE	0.7	#411100 #411100	1804.2 - 15.000	612.9 : 70 20	#0.2 ,c00 FEET E (RNGTS)	330 ANC ABCVE	3214.4	TIPE (MIN) NAUT MILES  LOAD PACTOR NE ABOVE 2.0	4.4	ecrivare, artitude 413-5	- 50.00c	394.2 TO 29,C D - VE	100 TO	350 440 480VE	2095.9
LGAD FACTOR RE	0.7 LESS THAN	7(2.9 ALTSTUDE EBLSVAL( 150 TO	1804.2 - 19.000 NT AIRSP	612.9 : 70 2º: !EED - V 290 10	90.2 ,COO FEET E (RNGTS) 300 TO	350 ANC ABCVE	3216.9 TOTAL	TIPE (MIN) NAUT WILES  LCAD FACTOR NE ABOVE 2.8 2.0 TO 2.4 1.0 TO 2.4	LESS THOR	ALTITUDE ECUTVALE 150	1264.2 - 20.000 TO 200 17 AIRSPER 200 TO	394.2 TO 29,C O - VE 230 TO	100 TO	440	2005.0 TOTAL
LOAD FACTOR RZ  ABOVE 2.8 2.4 TO 2.0 2.0 TO 2.0 1.6 TO 1.8 1.5 TO 1.8	0.7 LESS THAN	7(2.9 ALTSTUDE EBLSVAL( 150 TO	1800.2 E - 19.000 ENT A[RSF 200 10 250	612.9 : 70 2º: !EED - V 290 10	90.2 ,COO FEET E (RNGTS) 300 TO	350 ANG ABCVE	3216.9 TOTAL NE	TIPE (MIN) NAUT WILES  LOAD PACTON NE ABOVE 2.8 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.1 TO 1.0	LESS THOR	ALTITUDE ECUTVALE 150	1264.2 - 20.000 TO 200 17 AIRSPER 200 TO	394.2 TO 29,C O - VE 230 TO	100 TO	440	2005.0 TOTAL
AUT MILES  LOAD FACTOR RZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.8 1.5 TO 1.6 1.5 TO	0.7 LESS THAN	7(2.9 ALTSTUDE EBLSVAL( 150 TO	1800.2 1 - 19.000 19T AIRSP 200 10 250	612.9 : 70 2º: !EED - V 290 10	90.2 ,COO FEET E (RNGTS) 300 TO	380 Anc Abcve	3216.9 TOTAL	TIPE (MIN) NAUT MILES  LOAD FACTOR NE  ABOVE 2.0 2.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.4	LESS THOR	473-2 4LTITUDE EGUIVALET 150 TO 200	1263.2 - 20.00C NT AIRSPES 200 TO 250	394.2 TO 29,C O - VE 230 TO	100 TO	440	2095.9 TOTAL NZ
AUVT MILES  LOAD FACTOR AZ  ABOVE 2.8 2.4 TO 2.6 2.0 TO 2.4 1.6 TO 2.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.7 1.1 TO 1.2	0.7 LESS THAN	712.9 ALT 1 TUDE 20L I VALE 190 70 200	1800.2 E - 19.000 ENT A[RSP 200 100 250	612-9 : TO 20 : TO	90.2 ,COO FEET E (RNGTS) 300 TO	350 And Above	1074L NZ	TIPE (MIN) NAUT MILES  LOAD FACTOR ME  ABOVE 2.6 2.0 10 2.6 2.0 10 2.0 1.0 10 1.0 1.3 10 1.6 1.3 10 1.6 1.2 10 1.3 1.3 10 1.4 1.2 10 1.3 1.1 10 1.2	4.4 LESS PM.IR 190	473.2 ALTITUDE EQUIVALET 150 70 200	1263-2 - 20-00C TO 1250E TO 250	394.2 TO 29,C O - VE 230 TO	100 TO	440	2095.9 TOTAL NZ 2 10 73
ABOVE 2.8 2.4 TO 2.6 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.7 1.7 TO 1.7 1.7 TO 1.7 1.7 TO 1.7 1.8 TO 1.8 1.9 TO 1.8 1.9 TO 1.9 1.9 TO 0.9 1.9 TO 0.9	0.7 LESS THAN	712.9 ALT 1 TUDG EGL I VALE 190 100	1800.2 1 - 19.000 10 10 250	612.9 : TO 26 : TO 26 : EED - V 290 TO 300	90.2 ,COO FEET E (RNGTS) 300 TO	350 ARC ABCVE	3216.4 TOTAL NE	TIPE (MIN) NAUT WILES  LCAD PACTOR NE ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.1 TO 1.0 1.1 TO 1.2 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.0	LESS THOR	473-2 4LTITUDE EGUIVALET 150 TO 200	1263.2 - 20.00C NT AIRSPES 200 TO 250	394.2 TO 29,C O - VE 230 TO	100 TO	440	2095.9 TOTAL NZ
AUT FILES  LOAD FACTOR 2.4 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.4 1.2 TO 1.2 1.1 TO 1.2 1.2 TO 6.4 1.3 TO 6.4 1.4 TO 6.4 1.5 TO 6.4	0.7 LESS THAN	712.9 ALTITUDE EQLIVALE 190 70 200	1800.2 E - 19.000 ENT AIRSP 200 10 250	612-9 : TO 20 : TO	90.2 ,COO FEET E (RNGTS) 300 TO	350 And Above	3216.9  TOTAL  NE  1 1 3 57 94	TIPE (MIN) NAUT WILES  LOAD FACTOR NE  ABOUE 2.8 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.1 TO 1.0 1.1 TO 1.2 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.0	4.4 LESS PM.IR 190	473-2 ALTITUDE EQUIVALET 150 70 200	1263-2 - 20-00C TO 250 10 250	394.2 TO 29,C O - VE 230 TO	100 TO	440	2095.9 TOTAL NZ 2 10 73 42
AUT FILES  LOAD FACTOR RACE 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 0.0 0.7 TO 0.0 0.0 T	ESS TMAN 15C	722.9 ALTITUDE EQLIVALE 190 70 200	1800-2 - 15.00C - 10 AIRSP 200 10 250 1 1 1 3 34 31	612.9 : TO 20 : TO 20 : TO 20 : TO 300 300	90.2 ,COO FEET E (RNGTS) 300 TO	350 ARC ABCVE	3216.9  TOTAL  NE  1 1 3 57 94	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.4 1.8 TO 2.0 1.5 TO 1.5 1.3 TO 1.5 1.3 TO 1.5 1.1 TO 1.5 1.2 TO 1.3 1.1 TO 1.5 1.2 TO 1.3 1.1 TO 1.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7	e.e ESS TMUM 1900	473.2 ALTITUDE EQUIVALE 150 70 200	1263-2 - 20-00C TO 250 10 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
AUVT MILES  LOAD FACTOR AZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.7 1.1 TO 1.7 0.8 TO 0.8 0.8 TO 0.8 0.7 TO 0.8 0.8 TO 0.8	0.7 LESS THAN	722.9  ALTITUDE COLIVALE 150 70 200 20 1	1800-2 - 19,000 PAT AIRSF 200 TO 250 1 1 3 34 31 34 31 34 35 400-0 3877-0	612-9 70 20 29 70 70 70 30 300 3 3	90.2 ,COO FEET & (RNGTS) 300 TO 350	350 ARC ABCVE	3210.9 TOTAL NZ	TIPE (MIN) NAUT WILES  LCAD FACTOR NA  ABOUT 2.8 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.1 TO 1.0 1.1 TO 1.5 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2 0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.2 TO 0.0	e.e ESS TMUM 1900	473-2 ALTITUDE ECUTALE 150 TO 200	1264.2 - 20.00C TO AIRSPER 200 100 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9 TOTAL NZ 2 10 73 42
ADDY #1LES  LOAD FACTOR QZ  ABOVE 2-8 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-2 1-1 TO 1-2 0-1 TO 1-2 0-1 TO 1-2 0-1 TO 0-2 0-2 0-3 TO 0-3 0-	1.7 1.7 1.7	722.9  ALTITUDE COLIVALE 150 70 200 20 1	1800-2 - 19,000 PT AIRSF 200 TO 250 1 1 3 30 31 31 31 31 31 31 31 31 31 31	612.9 TO 20 250 300 300 33 3 3 3 23.6 129.2 10 3c	90.2 ,COO FEET E (RNGTS) 300 TO 350	350 And Andere	3218.9  TOTAL  1 1 3 57 54 4	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.8 2.0 TO 2.8 1.0 TO 2.8 1.1 TO 1.9 1.2 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.2 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 TO 0.6 0.2 TO 0.6 0.2 TO 0.6 0.2 TO 0.6	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
AUT MILES  LOAD FACTOR ACTOR 2.4 TO 2.6 2.0 TO 2.4 1.0 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.2 0.6 TO 0.7 0.7	1.7 1.0 1.7 7.1	722.9 ALTITUDE EQLIVALE 150 20 20 20 1 130.1 332.2 ALTITUDE FQUIVALE	1800-2 - 19,000 10 AIRSF 200 10 AIRSF 200 10 AIRSF 230 31 AIRSF 400-0 38177-0 - 29,000	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  1 1 3 57 54 4 859.0 005.7	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.8 2.0 TO 2.8 1.0 TO 2.8 1.1 TO 1.9 1.2 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.2 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 TO 0.6 0.2 TO 0.6 0.2 TO 0.6 0.2 TO 0.6	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.8 TO 1.6 1.9 TO 1.7 1.9 TO 1.8 1.1 TO 1.2 0.6 TO 0.7 0.7 TO 0.8 1.1 TO	1.7 1.7 1.7	722.9  ALTITUDE COLIVALE 150 70 100  20 20 1 130-1 532-2  ALTITUDE	1800-2 - 19,000 PT AIRSF 200 TO 250 1 1 3 30 31 31 31 31 31 31 31 31 31 31	612.9 TO 20 250 300 300 33 3 3 3 23.6 129.2 10 3c	90.2 ,COO FEET E (RNGTS) 300 TO 350	350 ARC ABCVE	3218.9  TOTAL  1 1 3 57 54 4	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.8 2.0 TO 2.8 1.0 TO 2.8 1.1 TO 1.9 1.2 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.2 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 TO 0.6 0.2 TO 0.6 0.2 TO 0.6 0.2 TO 0.6	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.8 TO 1.6 1.9 TO 1.7 1.9 TO 1.8 1.1 TO 1.2 0.6 TO 0.7 0.7 TO 0.8 1.1 TO	1.7 1.0 1.7 7.1	722.9 ALTITUDE EQLIVALE 150 20 20 20 1 130.1 332.2 ALTITUDE FQUIVALE	1800-2 - 19,000 10 AIRSF 200 10 AIRSF 200 10 AIRSF 230 31 AIRSF 400-0 38177-0 - 29,000	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  1 1 3 57 54 4 859.0 005.7	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.8 2.0 TO 2.8 1.0 TO 2.8 1.1 TO 1.9 1.2 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.2 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 TO 0.6 0.2 TO 0.6 0.2 TO 0.6 0.2 TO 0.6	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.8 TO 1.6 1.9 TO 1.7 1.9 TO 1.8 1.1 TO 1.2 0.6 TO 0.7 0.7 TO 0.8 1.1 TO	1.7 1.0 1.7 7.1	722.9 ALTITUDE EQLIVALE 150 20 20 20 1 130.1 332.2 ALTITUDE FQUIVALE	1800-2 - 19,000 10 AIRSF 200 10 AIRSF 200 10 AIRSF 230 31 AIRSF 400-0 38177-0 - 29,000	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  1 1 3 57 54 4 859.0 005.7	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.8 2.0 TO 2.8 1.0 TO 2.8 1.1 TO 1.9 1.2 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 1.2 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 TO 0.6 0.2 TO 0.6 0.2 TO 0.6 0.2 TO 0.6	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZZ  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.8 TO 1.6 1.9 TO 1.7 1.9 TO 1.8 1.1 TO 1.2 0.6 TO 0.7 0.7 TO 0.8 1.1 TO	1.7 1.0 1.7 7.1	722.9 ALTITUDE EQLIVALE 150 70 200  20 20 31 130.1 332.2 ALTITUDE 150 150 200	1800-2 - 19,000 10 AIRSF 200 10 AIRSF 200 10 AIRSF 230 31 AIRSF 400-0 38177-0 - 29,000	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  1 1 3 57 54 4 859.0 005.7	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
AUVT FILES  LOAD FACTOR 62  ABOVE 2.8 2.4 TO 2.6 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.7 1.7 TO 1.7 1.8 TO 1.7 1.8 TO 1.7 1.9 TO 1.9 1.9 TO	1.7 7.1 1.23 1.23 1.23 1.23 1.23 1.23 1.23 1.	722.9  ALTITUDE COLIVALE 150 70 200 20 1 130.1 532.2  ALTITUDE 70 200 20 20 20 3 20 32 20 32 20 32 20 32 32 32 32 32 32 32 32 32 32 32 32 32	1800-2 - 19,000 10 AIRSF 200 10 250 1 1 3 30 31 3 30 31 31 30 10 200 10 250	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  RE  1 1 3 37 54 4 4 4005.5	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
AUVT FILES  LOAD FACTOR 62  ABOVE 2.8 2.4 TO 2.6 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.7 1.7 TO 1.7 1.8 TO 1.7 1.8 TO 1.7 1.9 TO 1.9 1.9 TO	1.7 1.0 1.7 7.1	722.9  ALTITUDE COLIVALE 150 20 20 1 130.1 332.2  ALTITUDE COUPALE 150 200	1800-2 - 19,000 10 AIRSF 200 10 250 1 1 3 30 31 3 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 30 30 30 30 30 30 30 30 30	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3216.9  TOTAL  RE  1 1 3 57 54 4 4005.5	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZ	1.7 7.1 1.23 1.23 1.23 1.23 1.23 1.23 1.23 1.	722.9  ALTITUDE COLIVALE 150 70 200 20 1 130.1 532.2  ALTITUDE 70 200 20 20 20 3 20 32 20 32 20 32 20 32 32 32 32 32 32 32 32 32 32 32 32 32	1800-2 - 19,000 TO AIRSP 200 TO 250 1 1 3 34 31 30 31 31 30 404.4 3177.4 20 10 10 10 10 10 10 10 10 10 1	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  RE  1 1 3 37 54 4 4 4005.5	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
LOAD FACTOR AZ	1.7 7.1 1.83 1.7 7.1 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.	722.9 ALTITUDE EQLIVALE 150 70 200 20 20 21 130.1 332.2 ALTITUDE FQUIVALE 100 200 200 200 444 2	100-2 1- 19,000 10 AIRSP 200 10 250 1 1 1 3 3 4 31 3 1 4 31 3 1 4 31 3 3 4 4 31 31 31 4 4 31 31 4 4 31 31 4 4 31 31 4 4 31 31 4 4 31 4 4 4 4	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  1 1 3 57 24 4 4 1016L  1016L	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6
AUVT FILES  LOAD FACTOR 62  ABOVE 2.8 2.4 TO 2.6 2.0 TO 2.4 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.7 1.7 TO 1.7 1.8 TO 1.7 1.8 TO 1.7 1.9 TO 1.9 1.9 TO	1.7 7.1 1.23 1.23 1.23 1.23 1.23 1.23 1.23 1.	722.9  ALTITUDE COLIVALE 150 70 200 20 1 130.1 532.2  ALTITUDE 70 200 20 20 20 3 20 32 20 32 20 32 20 32 32 32 32 32 32 32 32 32 32 32 32 32	1800-2 - 19,000 TO AIRSP 200 TO 250 1 1 3 34 31 30 31 31 30 404.4 3177.4 20 10 10 10 10 10 10 10 10 10 1	612.9 TO 20 100 - v 200 300 300 33 3 3 3 3 3 3 3 3 3 3 3 3	00.2 ,COO FEET E (RNGTS) 300 TO 390 390	ACCVE	3218.9  TOTAL  RE  1 1 3 37 54 4 4 4005.5	TIPE (MIN) NAUT WILES  LOAD FACTOR MI  ABOVE 2.8 2.0 TO 2.0 2.0 TO 2.4 1.8 TO 1.0 1.5 TO 1.0 1.5 TO 1.0 1.7 TO 1.0 1.7 TO 1.0 0.0 TO 0.0	4.4 LESS TMUN 190	473.2 ALTITUDE EQUIVALE 150 70 200	1204.2 - 20.00C TY AIRSPER 200 TO 250	394.2 TO 24.0 D - VE 230 TO 300	100 TO	AND ABOVÉ	2095.9  TOTAL  MZ  2 10 73 42 6

Table 50 Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 105,000 to 115,000 lb.

		44 7 3 7 4 0	<b>:</b> - (	70 %	.00 FEET		•			ALT11008	- 2,50	. 10 °	,coo FEET		
LCAD		COUTYAL!	ENT ALASI	160 - W	EKNOTSI		TOTAL	LCAD		EGGIVALE	NT AIRS!	MED - 1	E (KNOTS)		TOTAL
PACTOR NZ	LESS	150	200 TO	250 70	300 TO	350 440	ME	FACTOR NI	LESS	190 70	200 10	250 10	700 TO	350 440	42
ABGVE 2.0	150	200	250	300	390	VOCAR		ABCVE 2.0	150	500	290	300	3\$6	ABCVE	
2.4 TO 2.8 2.0 TO 2.4								2.4 70 2.8							
1.6 10 2.0		2	1				.;	1.6 70 2.0		3	1	1			:
1.6 fo 1.6 1.5 fo 1.6 1.4 fo 1.5		15	17	1			11 24 143	1.6 fo 1.8 1.9 fo 1.6 1.4 fo 1.9 1.3 fo 1.4	15	20 65	13 50	1			142
1.3 10 1.3	48 302 1429	101 279 923	105 542	į			686 3096	1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2	125 956	311 1084	184 544	2¢			844 2264
0.8 10 0.9	1082	531	333	_			1948	0.0 10 6.0	377	779	324	13			1513
0.7 70 0.8	124	89	33	1			267 44	0.6 TC 0.7	44	143 33	13	7			294 55 12
C.4 f0 C.6 C.2 f0 C.4	3	,	2				7	0.2 70 6.4		•	•	1			12
8£10p C.							1440 4	6. 10 0.2 6ELOW 0.			191.0	84.7			1898.6
TIPE (MIN) Naut miles	150.5 1883.2	483.7 1383.4	272.3 1030.4	2.0 8.7			1608,6 4313.9	TIPE EMINI ALLT MILES	364.1 915.5	894.5 2670.0	2523.4	384. 0			5975.3
		ALT I TUD	E - 5,cor	16 ir.	100 FEET					4Lfffu.è	- 15,000	f0 15	.coo +ee1		
LGAD		EGNIAVE	ENT AIRS	EED - 46	(KNOTS)		TOYAL	LC40		ESCIANTE	' LAS	£10 - 4	E (KNOTS)		TOTAL
FACTOR NZ	LESS	150 70	200 10	250 13	300 10	350	MZ	FACTOR NZ	LESS THAN	15	200	290 10	300 TO	350 4ND	mž
ABGVE 2.8	150	200	250	300	350	VECAS		ABCVE 2.4	190	200	250	300	350	ACCAE	
2.4 10 2.4								2.4 10 2.9 2.0 10 2.4							
1.6 TO 2.0 1.6 TO 1.8 1.5 TO 1.6 1.6 TO 1.5 1.9 TO 1.6								1.6 TG 2.0 1.6 TG 1.0 1.5 TG 1.6							
1.5 TO 1.4 1.4 TO 1.5 1.3 TO 1.4	1	16	1	1 2			1 7	1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.4		1	1 3				; !
1.2 70 1.3	33	70 322	87 495	1			177 939	1.2 70 1.3	3	45	10 121	, 57			14 35 250
0,8 10 0.9	13	244	337	73	1		470	0.8 IC G.9	3	54	71	35			143
0.7 TD C.8		41 4.	15	i			75	2.6 70 0.7		i		2			19
0.4 TO 0.4 0.2 TO 0.4		,					2	C-2 10 0.4							
0. TO 0.2 SELOW 0. TIME (MIN)	34.7	570.0	1039.4	294.9	7.4		1949.3	BELOW G. TIME (MIN)	17.4	474.0	575.7	222.4	1.9		1291.4
HAUT MILES	94.1	1904.1	4398.4	1409. 0	43.0		7849.4	NAUT MILES	52.3	1484.5	2440.4	1136.7	11.2		5549.2
				•	,,,,										
		4111100	-	-				,,,,,,,			- 30,00c		,coo FEET		
LGAD		EGUIVALI	INT AIRSP	10 2C;	GOO FEET		TOTAL	LOAD		ALTITUDE	- 20,00c	70 2°, EED - W	,COO FEET E (RMOTS)		TOTAL
LGAD FACTOR NZ	LESS IMAR	190 190	200 70	10 20; EED - VE 250 10	GOO FEET (#NOTS) 300 TO	350 AND			LESS IMAR	ALTITUDE EQUIVALEN 190 TO	- 20,000 II AIRSPI 200 TO	70 2°, EED - W 250 70	,600 FEET E (RMOTS) 300 FO	350 440	
FACTOR NZ ABOVE 2.0	LESS IMAR 196	150	147 AZRSP	10 20; EED - VE 250	GOO FEET (KNOTS)	350 AND ABCVE	TOTAL	LOAD FACTOR NE ABOVE 2.8	LESS	ALTITUDE	- 20,00c	70 2°, EED - W	,COO FEET E (RMCTS) 300	350 470 4804£	TOTAL
FACTOR NZ ABOVE 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0	LESS THAR 196	190 190	200 70	10 20; EED - VE 250 10	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	TOTAL	LOAD FACTOR NE ABOUE 2.8 2.4 TO 2.8 2.0 TO 2.4 3.5 TO 2.4	LESS IMAR	ALTITUDE EQUIVALEN 190 TO	- 20,000 II AIRSPI 200 TO	70 2°, EED - W 250 70	,600 FEET E (RMOTS) 300 FO	986A8 940 940	TOTAL
FACTOR AZ ASOVE 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.6 TO 1.0 1.9 TO 1.0	L#\$\$ FMAR 196	190 190	200 10 230	10 20; EED - VE 250 10	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	TOTAL NE	LOAD FACTOR NZ ABOVE 2.8 2.4 TO 2.8 2.5 TO 2.6 1.6 TO 1.8 1.5 TO 1.6	LESS IMAR	ALTITUDE EQUIVALEN 190 TO	- 20,00c IT AIRSPI 200 TO 230	70 2°, EED - W 250 70	,600 FEET E (RMOTS) 300 FO	350 AND ABCVE	TOTAL 42
FACTOR ABOVE 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.2 TO 1.0 1.3 TO 1.4 1.3 TO 1.5 1.3 TO 1.4	LESS THAR 196	500 10 100 100 100	200 TO 250	10 20; 250 TO 300	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	TOTAL MZ	LOAD FACTOR NZ APOVE 2.8 2.4 TO 2.8 1.6 TO 2.6 1.6 TO 1.8 1.5 TO 1.6 1.4 TO 1.5 1.4 TO 1.5	LESS IMAR	ALTITUDE EQUIVALER 190 10 200	- 20,00c IT AIRSPI 200 TO 250	70 2°, 880 - wi 250 70 300	,600 FEET E (RMOTS) 300 FO	350 AND ABCVE	7074L 42 2
FACTOR AZ  ABOVE 2.0 2.4 TC 2.0 2.0 TO 2.0 1.0 TO 2.0 1.4 TO 1.0 1.5 TO 1.0	LESS THAR 196	190 190	200 250 1	10 20; EED - VE 250 10 300	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	TOTAL ME	LOAD FACTOR NZ ABOVE 2.8 2.4 TO 2.8 2.5 TO 2.6 1.6 TO 1.8 1.5 TO 1.6	LESS IMAR	ALTITUDE EQUIVALEN 190 10 200	- 20,00c IT AIRSP 200 TO 290	TO 2*, EED - W 250 TO 300	,600 FEET E (RMOTS) 300 FO	350 A90 A9048	TOTAL 42
FACTOR ABOVE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.8 TO 2.0 1.8 TO 2.0 1.4 TO 1.0 1.5 TO 1.0 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2 C.8 TO 0.9	196 196 10	200 200 200 200 200 200 200 200 200 200	200 TO 250	TO 20;	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	107AL 102 1 1 27 240 228	10A0 FACTOR RACTOR 2.4 TO 2.8 2.4 TO 2.4 1.5 TO 2.4 1.5 TO 1.5 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.3 1.2 TO 1.3	LESS INAN 190	ALTITUDE EQUIVALER 190 TO 200	- 20,00c 17 AIRSPI 200 TO 290 3 3 3 10 164	70 2°, 250 - W 250 70 300	,600 FEET E (RMOTS) 300 FO	350 AND ABCVE	TOTAL 42 2 0 12 27 250
FACTOR 480VE 2.0 2.4 TG 2.0 2.0 TG 2.0 2.0 TG 2.0 1.0 TG 2.0 1.5 TG 1.0 1.5 TG 1.0 1.4 TG 1.5 1.3 TG 1.4 1.2 TG 1.3 1.1 TG 1.2 0.8 TG 0.0 0.4 TG 0.7 0.4 TG 0.0	THAR 196	190 10 206 206	200 100 250 1 1 8 21 140	10 20; EED - VE 250 10 300	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	TGTAL Mg 1 1 0 27 240	10AD FACTOR RV  ABGVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.6 TO 2.0 1.6 TO 1.6 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.5 1.2 TO 1.5 1.2 TO 1.5 1.2 TO 1.5 1.3 TO 1.5 1.4 TO 1.5 1.5 TO 1.5 1.6 TO 0.7 0.7 TO 0.6 0.6 TO 0.7 0.4 TO 0.6	LESS IMAN 19C	4LTITUDE EQUIVALEN 190 10 200	- 20.00c	70 2°, 210 - w 250 70 300	,600 FEET E (RMOTS) 300 FO	350 440 ABCVE	7074L 42 2 8 12 37
#ACTOR AVE  48000 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0	196 196 10	200 200 200 200	200 250 250 250 140 150 11	TO 20;	GOO FEET (#NOTS) 300 TO	350 AND ABCVE	107AL 102 1 1 27 240 228	ADAD FACTOR  ADAUS 2.8 2.4 TO 2.8 2.9 TO 2.8 2.9 TO 2.8 1.6 TO 2.8 1.5 TO 1.8 1.5 TO 1.8 1.7 TO 1.8 1.7 TO 1.8 1.7 TO 1.8 1.7 TO 1.8 1.8 TO 0.7 1.8 TO 0.7 1.8 TO 0.7 1.9 TO 0.8 0.4 TO 0.7 0.4 TO 0.8 0.2 TO 0.4 0.2 TO 0.4	LESS IMAN 19C	4LTITUDE EQUIVALER 150 100 200 1 1 2 3 4 17 80	200 TO 250 TO 25	70 2°, 250 - W 250 70 300	,600 FEET E (RMOTS) 300 FO	350 AND ABCVE	1074L 12 2 0 12 37 270 246 30
FACTOR 42 ABOVE 2.0 2.0 To 3.0	19G	200 200 21 21 21 21 21 21 21 21 21 21 21 21 21	147 AIRS# 246 70 250 10 250 11 1 1 1 2467.7	10 20; 10 - VE 250 10 300 1 1 18 14 1	GOO FEET (#NOTS) 300 TO	350 AMD ABCVE	TOTAL NE 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10AD FACTOR NZ  ASQVE 2.8 2.4 TO 2.8 2.0 TO 2.8 1.0 TO 1.8 1.5 TO 1.8 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.5 1.3 TO 1.5 1.4 TO 1.5 1.5 TO	LESS IMAM 19C	ALTITUDE 1901VALEX 170 200 10 200 11 2 3 6 17 80 101 18 4 2	200 TO 250 TO 25	70 2°, 280 ~ w 290 70 300	,600 FEET E (RMOTS) 300 FO	390 AND ABCVE	707AL 412 2 8 127 220 204 207 1
#ACTOR AVE  48000 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0	196 196	200 200 200 200 200 200 200 200 200 200	147 AIRS# 246 70 250 10 250 11 1 1 1 2467.7	10 20; 10 - VE 250 10 300 1 1 14 14 1	GOO FEET (KhOTS) 300 TO 350	330 AND ABCVE	101AL ME	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 0.7 0.7 TO 0.8 0.6 TO 0.7 0.4 TO 0.7 0.7 TO 0.8 0.7 TO 0.8 0.7 TO 0.9 0.7 TO 0.8 0.7 TO 0.9 0.7 TO 0.8 0.8 TO 0.7 0.8 TO 0.7 0.8 TO 0.7 0.8 TO 0.7 0.8 TO 0.8 0.7 TO 0.8	LESS IMAM 19C	ALTITUDE EQUIVALENT 150 100 200 1 2 5 6 177 80 101 18 4 2 2 3 10 10 10 10 10 10 10 10 10 10	- 20,00c 17 AIRSPI 200 TO 250 3 3 16 164 164 161 17 2	70 2°, 250 - w 250 TD 300	, COO PEET E (RMOTS) 300 10 350	350 AND ABCVE	101AL 42 1 2 37 296 206
#ACTOR 400VE 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.2 TO 1.0 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2 0.8 TO 0.0 0.4 TO 0.0 0.2 TO 0.0 0.2 TO 0.0 0.1 TO 0.2 0.1 TO 0.2	19G	200 200 200 200 200 200 200 200 200 200	246 118 118 118 118 118 118 118 118 118 11	10 20; 10 - VE 250 10 300 1 1 14 14 1	GOO FEET (KhOTS) 300 TO 350	330 AND ABCVE	107AL ME 1 1 0 27 240 286 18 2	LOAD FACTOR  ABOVE 2.8 2.4 TO 2.8 2.4 TO 2.8 2.4 TO 1.8 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.7 TO 1.6 1.7 TO 1.6 1.7 TO 1.7 1.8 TO 1.7 1.9 TO 1.9 1.9 TO 0.9 0.7 TO 0.9 0.9 TO 0.9	LESS IMAM 19C	ALTITUDE 1901VALEX 170 200 10 200 11 2 3 6 17 80 101 18 4 2	- 20,00c 17 AIRSPI 200 TO 250 3 3 16 164 164 161 17 2	70 2°, 250 - w 250 TD 300	,600 FEET E (RMOTS) 300 FO	350 AND ABCVF	707AL  12  2  27 250 206 207 7 1
#ACTOR 400VE 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2 C.S TO 0.0 0.4 TO 0.7 0.4 TO 0.0 0.2 TO 0.4 0.2 TO 0.4 0.2 TO 0.4 0.2 TO 0.4 0.2 TO 0.4 0.2 TO 0.4 0.3 TO 0.4 0.4 TO 0.7 0.4 TO 0.4 0.5 TO 0.4 0.7 TO 0.4 0.4 T	196 196 10 9 1	6011ATT	147 A1859 200 70 250  1 0 210 210 110 110 110 110 110 110 110 11	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL ME  1 1 0 27 240 286 18 2 3539-7 10530-0	LOAD FACTOR Re  ABOVE 2.8 2.4 TO 2.8 2.4 TO 2.8 1.6 TO 2.6 1.6 TO 1.8 1.5 TO 1.6 1.4 TO 1.5 1.3 TU 1.4 1.2 TO 1.3 1.1 TO 1.2 0.8 TO 0.9 0.7 TO 0.8 0.4 TO 0.7 0.4 TO 0.4 0.7 TO 0.8 0.7 TO 0.4 0.7 TO	LESS INAM 19C	ALTITUDE EQUIVALEN   150   100	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	101AL 12 12 13 27 296 30 7 1 7566.4 101AL
#ACTOR #AZ  ABOWE 2.6 2.4 TO 2.6 2.0 TO 2.6 2.0 TO 2.6 1.0 TO 2.6 1.1 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.3 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 0.3 0.4 TO 0.6 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.8	19G	200 200 200 200 200 200 200 200 200 200	246 118 118 118 118 118 118 118 118 118 11	10 20; 10 - VE 250 10 300 1 1 14 14 1	GOO FEET (KhOTS) 300 TO 350	350 AND ABCVE	107AL ME 1 1 0 27 240 286 18 2	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.7 1.7 TO	LESS   IMAM   19C   2	ALTITUDE EQUIVALENT 150 100 200 1 2 5 6 177 80 101 18 4 2 2 3 10 10 10 10 10 10 10 10 10 10	- 20,00c 17 AIRSPI 200 TO 250 3 3 16 164 164 161 17 2	70 2°, 250 - w 250 TD 300	.COO PEET E (RROTS) 300 10 350 350	ANCYE	707AL  12  2  27 250 206 207 7 1
#ACTOR #AZ  ABOWE 2.6 2.4 TO 2.6 2.0 TO 2.6 2.0 TO 2.6 1.0 TO 2.6 1.1 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.3 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 0.3 0.4 TO 0.6 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.8	196 196 10 9 1	6011ATT	147 A1859 200 70 250  1 0 210 210 110 110 110 110 110 110 110 11	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL ME  1 1 0 27 240 286 18 2 3539-7 10530-0	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.7 1.7 TO	LESS INAM 19C	ALTITUDE EQUIVALEN   150   100	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	101AL 12 12 13 27 296 30 7 1 7566.4 101AL
#ACTOR #AZ  ABOWE 2.6 2.4 TO 2.6 2.0 TO 2.6 2.0 TO 2.6 1.0 TO 2.6 1.1 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.3 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 0.3 0.4 TO 0.6 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.8	196 196 10 9 1	200 100 100 200 210 210 210 210 210 210	200 70 250 10 250 11 25	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL NE 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.7 1.7 TO	LESS INAM 19C	ALTITUDE EQUIVALEN   150   100	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	101AL 12 12 13 27 296 30 7 1 7566.4 101AL
#ACTOR #AZ  ABOWE 2.6 2.4 TO 2.6 2.0 TO 2.6 2.0 TO 2.6 1.0 TO 2.6 1.1 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.3 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 0.3 0.4 TO 0.6 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.8	196 196 10 9 1	200 100 100 100 100 100 100 100 100 100	200 70 250 10 250 11 250 12 25	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL ME  1 1 0 27 240 286 18 2 3535-7 10550-0	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.7 1.7 TO	LESS INAM 19C	ALTITUDE EQUIVALEN   150   100	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	101AL 12 12 13 27 296 30 7 1 7566.4 101AL
#ACTOR #AZ  ABOWE 2.6 2.4 TO 2.6 2.0 TO 2.6 2.0 TO 2.6 1.0 TO 2.6 1.1 TO 1.0 1.3 TO 1.0 1.3 TO 1.0 1.3 TO 1.3 1.1 TO 1.3 1.1 TO 1.3 1.1 TO 0.3 0.4 TO 0.6 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.7 0.4 TO 0.8 0.8 TO 0.8	186 196 18 18 18 18 18 18 18 18 18 18 18 18 18	200 TO	200 70 250 10 250 11 250 12 25	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL NE 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOAD FACTOR RE  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.7 1.7 TO	LESS INAM 19C	ALTITUDE 2001VALER 150 100 200 101 18 4 2 2 2 4 9 3 3 1 1 4 6 6 7 2 4 6 7 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	1074L 12 12 12 13 13 13 206 30 7 1 7500.0 20602.8
### ### ### ### ### ### ### ### ### ##	18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	200 TO	200 70 250 70 250 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL NE 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOAD FACTOR  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 0.0 0.7 TO 0.0	LESS INAM 19C	ALTITUDE 2001VALER 150 170 200 101 18 4 2 2 2 2 4 9 3 3 11 4 6 6 7 7 2 6 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 7	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	1074L 12 12 12 13 13 13 206 30 7 1 7500.0 90002.8
### ### ### ### ### ### ### ### ### ##	186 196 18 18 18 18 18 18 18 18 18 18 18 18 18	200 TO	200 70 250 10 250 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL Mg 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOAD FACTOR  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 0.0 0.7 TO 0.0	LESS INAM 19C	ALTITUDE 2001VALER 150 100 200 101 18 4 2 2 2 4 9 3 3 1 1 4 6 6 7 2 4 6 7 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	1074L 12 12 12 13 13 13 206 30 7 1 7500.0 20602.8
### ### ### ### ### ### ### ### ### ##	100 100 100 100 100 100 100 100 100 100	200 TO	200 70 250 70 250 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL NE 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOAD FACTOR  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 1.6 TO 1.0 1.5 TO 1.0 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 0.0 0.7 TO 0.0	LESS INAM 19C	ALTITUDE 2001VALER 150 170 200 101 18 4 2 2 2 2 4 9 3 3 11 4 6 6 7 7 2 6 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 7	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	1074L 12 12 12 13 13 13 206 30 7 1 7500.0 90002.8
### ### ### ### ### ### ### ### ### ##	100 100 100 100 100 100 100 100 100 100	200 TO	200 70 250 10 250 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TO 2C; EED - WE 250 10 300  1 14 14 14 11 197,5 1990.2	000 FEET (KNDTS) 300 TO 350 350	ABCYE	707AL Mg 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOAD FACTOR  APOVE 2.0 2.4 TO 2.0 2.4 TO 2.0 2.4 TO 2.0 2.1 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.3 TO 1.5 1.3 TO 1.5 1.3 TO 1.5 1.3 TO 1.5 1.4 TO 0.7 0.4 TO 0.6 0.7 TO 0.0	LESS INAM 19C	ALTITUDE 2001VALER 150 170 200 101 18 4 2 2 2 2 4 9 3 3 11 4 6 6 7 7 2 6 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 2 6 6 7 7 7 7	- 20,00c 17 AIRSPI 200 10 200 10 200 200 11	10.4 250 250 300 300 10.3 300	COO PEET E IRMOTS) 300 10 350 350 (CANOTS) 10 10 10 10 10 10 10 10 10 10 10 10 10	AND	1074L 12 12 12 13 13 13 206 30 7 1 7500.0 90002.8

Table 51

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission II (Short Range Logistics)

Gross Weight Range: 115,000 to 125,000 lb.

			<b>U.</b>		eight		₽	3,500 10		ALTITUDE -		10 5,00	O FEET		
		ALTITU <b>SE</b> -	G 1	10 2,90	<b>.</b> FEET					Santaared. Afilions -			KMDT\$)	*	
LB49 FACTOR	LESS THÀR 190	150 150	AIASME 200 10 250	250 70 340	20015) 200 70 250	398 440 48076	187AL 45	LOAD PACTOR ME	LESS THAN 190	10 10 100	200 19 210	359 10 306	100 10 150	700A6 740 324	TOTAL .
AGOVE 2.6 2.4 TO 2.4 2.6 TO 2.4 1.6 TO 2.0 1.6 TO 1.8 1.5 TO 1.6 1.4 TO 1.5	` <b>ï</b>	10 200 4 11 42			350	ABOVE	4 13 4L 967 1511	2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.2 TO 1.3	1 •	16 60 101	11 70	1			1 1 10 03 292 1214
1.9 10 1.4	114 710	11 42 199 552	10 67 247	1 7 14			1911	1.1 10 1.2	312	404	234	60 17	1		740
8.8 1G 6.4 8.7 10 8.6 8.8 10 9.7 8.4 10 8.6 8.2 10 8.4	410 54 2	294 64 9	129 16 2	;			631 46 13	0.0 TG G.4 0.7 TG G.6 0.0 TG 0.7 0.0 TG 0.0 0.2 TG 0.4 0. TG 0.2	107 17 1	437 67 10 2	127 15 3	110-4	1.0		192 29 4 1
e. to e.2 time (mint most miles	325.0	271.0	134.5	23.3 105.6			753.6 2173.0	TIME (MIN) NAUT MILES	216.4 517.3	1955-0	227.4 884.4	527.3	1.5		3739.5
MAUT MILES	761-1	462.7	5,000	10 10.00	<b>n</b> FEET					45.7-11UDE	- 10.00¢		00 FEET		
		SENIANTEMA			KWDTS)			LGAD		POLIATER			( 2007\$1	953	TOTAL
LOAD FACTOR MZ	LESS THAM 190	156 10 206	200 70 250	290 16 300	306 70 350	350 440 460VE	TOTAL MI	PACTOR RZ	1455 1468 150	198 10 198	200 70 250	290 10 300	300 10 350	AND	NE
2.4 to 2.4 2.4 to 2.4 2.6 to 2.4 1.6 to 2.4 1.6 to 2.4 1.6 to 1.6 1.7 to 1.6 1.7 to 1.7 1.7 to 1.4 1.2 to 1.3 1.2 to 1.3 1.2 to 1.3	190	\$64	230	-	3,0	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ţ	ARGUE 2.4 2.4 IO 2.4 1.8 IO 2.4 1.8 IO 2.0 1.5 IO 1.6 1.7 IO 1.7 1.2 IO 1.3 1.1 IO 1.2		•	•				10 41
1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3	16	15 72	\$2	l.			25 142 447	1.3 10 1.4 1.2 10 1.3 1.1 10 1.2	•	110	70	19			227
	10	299	234	41 20				0.8 10 6.9	1	**	**	•			147 18 2
e.s 10 e.9 e.7 10 e.8 e.6 10 e.7 e.4 10 e.6 e.2 18 e.4 e. 18 e.2	1	234 34 7	145	4.			462 56 0	0.9 10 C.9 0.7 10 0.8 0.0 10 0.7 0.0 10 0.0 0.2 10 0.2 0ELOW 0. 11MG (mini- mant Alles		10	300,1	101.4			1079.1 4317.0
déles é. Tiné (Alb)	49.6	439.6 2134.7	465-0 2897-3	129.7			1900.3 5785.2	MONT WITE?	12.3 36.7	949.5 2302.0	1422.0	557.1			4317.0
AND AILES	114.9		- 15,0CC		000 FEET					ALTITUDE	- 50'00C		coo feet		
		tm:v4Lt			(41075)		TOTAL	LOAD		EditAvre				544	1014L
ractor ractor	LESS	190 10 200	200 10 250	250 10 300	306 70 350	AND AND AND	10125	factor ni	LE35 1HAR 140	190 10 200	390 30 306	25 <b>0</b> 10 300	309 10 330	110 AND ANDVE	at
	196 196	200	290	300	336	2001		ABOVE 2-8 2.4 TO 2-8 2.8 TO 2-4 1.8 TO 2-0 1.5 TO 1-0 1.5 TO 1-0 1.5 TO 1-3 1.5 TO 1-3 1.5 TO 1-2		2	1				1 3 4 13 21
2.4 TO 2.4 1.4 TO 2.4 1.6 TO 2.4 1.6 TO 1.0 1.5 TO 1.6 1.5 TO 1.6		ai ui	1 1 27 196	, i	ar.		1 12 91 204		:	14 58 343	31	1			426
2.0 10 2.6 2.4 10 2.5 2.0 10 2.6 1.0 10 2.6 1.0 10 1.0 1.1 10 1.0 1.1 10 1.0 1.1 10 1.0 1.1 10 1.2 0.1 10 1.2 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0		21 111 95 10	, t				1 12 51	0.8 18 4.4 0.7 18 6.6 0.6 10 6.7 0.6 10 6.6 0.2 10 0.4		14	31				426 48 15
0.0 10 1.0 0.7 10 0.0 0.0 10 0.7 0.0 10 0.7	Bá.d	***	101	1i 1			1 12 51 204 200 17 4	0.8 18 4.4 0.7 18 6.6 0.6 10 6.7 0.6 10 6.6 0.2 10 0.4		16 18 343 250 47 11	31 267 174	-			426 48 15
0.0 10 4.0 0.7 10 0.0 0.0 10 0.7 0.0 10 0.0	ţō.i	95 10 10 1044.0	101	11 4 1			200 200 17	0.8 18 4.4 0.7 18 6.6 0.6 10 6.7 0.6 10 6.6 0.2 10 6.4	i 1	16 242 242 244 25 25 25 25 25 25 25 25 25 25 25 25 25	5 31 269 174 19 1	18.2 75.4	iv <b>e</b> fEET		426 48 49 19 1
0.0 10 1.0 0.7 10 0.0 0.0 10 0.7 0.0 10 0.7	<b>1</b> 7:	95 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	1976.9 6071.9	49.3 200.0	, <b>680</b>		100 .4 200 .4 200 .4 10 .4 10 .4 11 .4 11 .4	0.6 10 6.9 0.7 10 6.0 0.6 10 6.7 0.0 10 6.5 0.2 10 6.6 0. 10 6.2 11 6.2 11 6.2 11 6.2 11 6.2	i 1	10 243 243 256 444 11 1 1 20607.0 10007.0	309 269 174 19 19 1 10 10 10 10 10 10 10 10 10 10 10 10 1	18:2 71:4 10 AFC	(40075)	)	420 48 48 19 2 1 4 4 4 4 7 4 7 6 7
9.6 16 4.9 9.7 10 3.6 9.6 18 9.7 9.4 10 9.6 9.2 10 9.6 9.2 10 9.6 9.3 10 9.2 91.00 9.1 110 10111 1007 9113		0,117062 0,117062 0,117062	101 101 101 1376.0 6071.7 1 - 25,000	49.2 200.9 200.9 . (U 36,	1.410433 S		100 100	0.6 10 6.4 0.7 18 0.6 0.6 10 0.7 0.6 10 0.5 0.2 10 0.5 0.2 10 0.2 0.4 10 0.2 11 Mg (min) VALUE (MAR)	3 <b>0.</b> 1	10 243 243 256 444 11 13 13 14000000000000000000000000	3427.3 24920.7 1 - 10,000	18.2 75.4 70 AFC	(40075)	)	420 48 48 19 2 1 4 4 4 4 7 4 7 6 7
0.0 10 4.0 0.7 10 0.0 0.0 10 0.0 0.0 10 0.0 0.7 10 0.0 0.7 10 0.0 0.7 10 0.0 1100 (4110) 0.0 10 0.0 1100 (4110) 0.0 10 0.0 10 0.	LESS THÁN 190	95 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	1976.9 6071.9	49.3 200.0		350 618 8001	100 100	0.6 10 6.4 0.7 18 0.7 0.6 10 0.7 0.6 10 0.7 0.2 10 0.4 0. 10 0.2 01.00 11.00 (0.1) 10.00 1	i 1	96 646 90 90 90 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	309 269 174 19 19 1 10 10 10 10 10 10 10 10 10 10 10 10 1	18:2 71:4 10 AFC			420 48 48 19 2 1 4 4 4 4 7 4 7 6 7
0.0 10 4.0 0.7 10 0.0 0.0 10 0.0 0.0 10 0.0 0.7 10 0.0 0.7 10 0.0 0.7 10 0.0 1100 (4110) 0.0 10 0.0 1100 (4110) 0.0 10 0.0 10 0.	LESS THÁN 190	10 10 10 10 10 10 10 10 10 10 10 10 10	101 101 0 101 0 1 1 1 1 1 1 1 1 1 1 1 1	4 3 200.0 200.0 50 36 60 46 200	1210411 3 006 01		100 100		3 <b>0.</b> 1	10 243 243 256 444 11 13 13 14000000000000000000000000	3 31 200 214 300 214 300 214 300 214 300 214 300 215 216 216 216 216 216 216 216 216 216 216	18.2 75.4 70 AFC	(40075)	)	000 19 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
0.0 10 0.0 0.1 10 0.0 0.0 10 0.1 0.1 10 0.1	190 1900 1859	200 200 20121-4 44.171062 20017444 200	101 101 101 1376.0 6071.7 1 - 25,000	49.2 200.9 200.9 . (U 36,	1210411 3 006 01		2000.0 2000.0 2000.0 2000.0 21100.9		30.1 12*-9 1155 1460 150	200 36 36 36 36 36 36 36 36 36 36 36 36 36	311 369 31 369 31 369 31 369 31 369 31 369 31 369 31 31 31 31 31 31 31 31 31 31 31 31 31	18.2 75.4 70 AFC	(40075)	)	9459.7 47077.4 10144 NZ
0.0 10 4.0 0.7 10 0.0 0.0 10 0.0 0.0 10 0.0 0.7 10 0.0 0.7 10 0.0 0.7 10 0.0 1100 (4110) 0.0 10 0.0 1100 (4110) 0.0 10 0.0 10 0.	190 1900 1859	2004.0 0 1331.4 0 1331.4 0 17706.2 2001740.1 200	101 20 101 0 101 0 101 0 107 10 20 20 20 20 20 20 20 20 20 20 20 20 20	4 3 200.0 200.0 50 36 60 46 200	200 70 70 - 350		2000.0 2000.0 2000.0 2100.0 21100.9 757.6L m2		30.1 12*-9 1155 1460 150	200 36 36 36 36 36 36 36 36 36 36 36 36 36	3 31 200 214 300 214 300 214 300 214 300 214 300 215 216 216 216 216 216 216 216 216 216 216	18.2 75.4 70 AFC	(40075)	)	9099.7 47077.9

Table 52

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission II (Short Range Logistics)

			Gr.	A	Neigh	t Ra	nge.	125,000 (	13	5 000	n 1h.				
		ALTITUE			GOO FEET	it Ita	mge.	123,000	.0 13		2 - 2:00:	. TO 5.	.COO FEET		
		EGUIVAL			E (KNOTS)						ent airs				
FACTOR NZ	LESS 1444 150	190 70 200	200 10 250	250 10 300	300 10 350	350 AND AGOVE	TOTAL MZ	FACTOR MZ	LESS THAN 196	150 70 200	200 10 290	256 10 300	300 70 330	350 AND AOCYE	1014L N2
ABOVE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.8 TO 2.0 1.5 TO 1.6 1.5 TO 1.5 1.5 TO 1.4 1.2 TO 1.3 1.1 TO 1.2	9 34 330	1 1 1 29 119 421	1 1 5 25	3 13	310	PANA	i 2 3 37 103 1009	ABOVE 2.8 2.4 TO 2.8 2.9 TO 2.4 1.6 TO 2.0 1.6 TO 1.0 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.2	196 14 07	1 1 11 50	1 3 7 49 175	1 6 6 2	336	APCVE	3 0 20 117 038
8.8 TO C.9 9.7 TO C.6 9.6 TO 0.7 9.4 TO 0.6 9.2 TO 0.4 9. TO 0.2 BELOW 6.	194 51 1	1 90 555	189 11 2	•	ì		•10 •2	C.4 TO G.7 C.4 TO G.7 C.4 TO G.6 C.2 TO G.4 C. TO G.2	30	214 22 1 1	94 12 2	22	1		379 41 3
TIME (MIM) NAUT MILES	161.2	190.6 577.0	156-1 500-3	12.4 54.1	11.3	•	522.4 1441.0	TIME INTRO	41.3	273.4	140.2 347.1	96.3 312.1	3.1		524.3 1636.0
		ALTITUO			COO FEET						e - 10,000		.000 FEET		•
		EQUIVAL								FRUIVAL					
LUAU FACTOR NŽ	LESS	150	200	250	300	350	TOTAL	LGAD FACTOR	LESS	150 T0	200 10	250	300 70	350	TOTAL
48QVE 2.8 2.4 10 2.8 2.0 10 2.4 1.0 10 2.8 1.6 10 1.0 1.5 10 1.4	1 1 3 G	150 10 200	200 T0 250	250 TO 300	300 10 350	ABOVE	#! 2 3 9	A20ve 2.0 2.4 TO 2.0 2.0 TO 2.4 1.2 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.3 TO 1.5 1.3 TO 1.5	TMAR 130	300	250	250 10 300	70 350	356 AND ABOVE	at
1.3 70 1.4 1.2 70 1.3 1.1 70 1.2	*	12 134	31 11#	21			57 315	1.2 70 1.3		10 59	1 9 98	1 5			122 122
0.0 FO 0.0 0.7 FO 0.0 0.0 FO 0.7 0.0 FO 0.0	19	105 12 2	63 12 7 3	3	ů.		104 30 9	0.3 10 0.9 0.7 10 0.0 0.6 10 0.7 0.4 10 0.6		41 3 1	26	1			**
e. TO 0.2 DELOW 0. TIME (MIN) NAUT MILES	10.1 47.9	431.0 1455.7	274.5	37.0			760.6	0. 10 0.2 06.00 0. 11ME (MIN)	0.1	489.4	134.7	19.3			453.7
			1172.7	176.4			2453.0	MAUT RILES	24.5	1733.4	662.0	97.9			2454.4
		ALTITUME			OO FEET		2453.0	MAUT RILES	24.5	1733.4 4LT1TV00	462.4	97.9	100 PEET		2000.7
			- 25,000	10 56.6	IOO FEET (KNOTS)		2853.0	HAUT MILES	24.5	1733.4	- 20,00C	10 25,0	100 PEET (R9075)		
LOAD FACTOR ME	LESS (MÅR 190	ALT [TUBE	- 25,000	10 56.6		350 AND ADDVE	2053.0 TOTAL M2	HAUT MILES LOAD FACTOR NE	24.5	1733.4 ALTITUM EQUEYÁLO	602.0 : - 20,000 !NT - \$185PE	97.9 10 25,6 20 - YE	(84075)	390 800 400VE	TOTAL
AGOVE 2-6 2-4 TO 2-0 1-6 TO 2-0 1-6 TO 2-0 1-6 TO 1-6 1-5 TO 1-6 1-7 TO 1-5 1-1 TO 1-6	LESS Inda 190	ALTITUDE EQUITALE 190 70 200	- 25,000 NF AIRSPI 200 10 250	TO 20,4	(KM075)	350 AND AGDVE	TOTAL NZ	LOAD FACTOR NO	LESS TRACE 150	1735.4 ALTITUM EQUIVAL 150 TO 200		10 25,0		390 400 AGOVE	TOTAL ME
AGOVE 2-0 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-2	L <b>63</b> \$	ALTITUDE EQUIPALE 150 70 200	- 25,000 NY AIRSPI 200 10 250	TO 20,0 IED - VE 230 TO 300	(KM075)	JSO AND AGOVE	2493.0 707AL MZ 1 1 0 115	AGOT RILES  LOAD FACTOR  AGOT 2-0 2-4 TD 2-0 2-6 TD 2-6 1-0 TD 2-0 1-0 TD 1-0 1-1 TD 1-1 1-2 TB 1-1 1-1 TB 1-2 1-1 TB 1-1 1-1 TB 1-2 1-1 TB 1-3 1-1 TB 1-2	24.5	1735.4 ALTITUM COULYALE 150 10 200	602.0 1 - 20,600 INT GIASPE 200 TO 250	97.9 10 25,6 20 - YE	(84075)	390 and AGOVE	TOTAL
AGOUZ 2-0 2-4 TO 2-0 2-0 TO 2-0 1-5 TO 1-5 1-5 TO 1-5 1-5 TO 1-5 1-7 TO 1-5 1-7 TO 1-2 1-7 TO 1-2 1-7 TO 1-2 1-7 TO 1-2	L695 (min 190	ALTITUDE EQUITALE 190 70 200	- 25,000 NF AIRSPI 200 10 250	TO 20,0 IED - VE 230 TO 300	(KM075)	350 400 400V2	TOTAL NZ	AGOT RILES  LOAD FACTOR  AGOT 2-0 2-4 TD 2-0 2-6 TD 2-6 1-0 TD 2-0 1-0 TD 1-0 1-1 TD 1-1 1-2 TB 1-1 1-1 TB 1-2 1-1 TB 1-1 1-1 TB 1-2 1-1 TB 1-3 1-1 TB 1-2	24.5	1733.4 ALTITUDE FOULVALE 150 200	- 20,000 - 20,000 INT \$101PE 200 70 250	97.9 10 25,6 20 - YE	(84075)	390 eed Addve	707AL M2 2 23 241
LOAD FACTOR AZ 2-4 TO 2-0 2-6 TO 2-0 1-6 TO 2-0 1-5 TO 1-5 1-5 TO 1-5 1-1 TO 1-5 1-1 TO 1-5 1-1 TO 1-2 0-6 EO 0-0 0-7 EO 0-8 9-6 TO 0-7 9-6 TO 0-7 9-7 9-7 9-7 9-7 9-7 9-7 9-7 9-7 9-7 9	L695 (min 190	ALTITUDE EQUITALE 150 70 200	- 25,000 NY AIRSPI 200 100 250	TO 20,0 IED - VE 230 TO 300	(KM075)	110 450 460ve	2493.0 TOTAL M2 113 70	LOAD FACTOR NO	24.5 LESS Trade 190	1733.4 ALTITUM POULVÁLE 150 200 101 200		97.9 10 25,6 20 - YE	(84075)	390 430 480vc	7874L M2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
LOAD FACTOR NJ 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-1 TO 1-1 1-1 TO 1-2 1-1 TO 1-2 0-0 TO 0-7 0-0 TO 0-7 0-1 TO 0-0 0-1 TO 0-0 1-1 TO 0-0 0-1 TO 0-0 0-0 TO	L633 India 150	ALTITUDE COUTTLE 150 TO 200 Aug 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 25,000 NF AIRSPI 200 10 250	TO 20,4 160 - VE 250 TO 300 3	(KM075)	350 AND ADDV2	2893.0 TOTAL M2	LOAD FACTOR NAV A TO CO. CO. CO. CO. CO. CO. CO. CO. CO. CO	24.5 LESS Trade 190	1733.4 ALTITUM POULVÁLE 150 200 101 200	002.0 1 - 20,000 101 - \$105M2 200 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 2	97.0 10 29.4 20 - VE 290 10 200	(84075)	250 600 400ve	707AL ME 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
LOAD FACTOR NJ 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-1 TO 1-1 1-1 TO 1-2 1-1 TO 1-2 0-0 TO 0-7 0-0 TO 0-7 0-1 TO 0-0 0-1 TO 0-0 1-1 TO 0-0 0-1 TO 0-0 0-0 TO	L633 India 150	ALTITUDE COUTTLE 150 TO 200 Aug 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 25,000 NF AIRSet 200 TO TO 250 A	TO 20,4 160 - VE 250 TO 300 3	(48075) 200 18 350	310 440 460VE	2003.0 TOTAL R2 B 6 0 115 No 7 7 2 1	LOAD FACTOR NAV A TO CO. CO. CO. CO. CO. CO. CO. CO. CO. CO	24.5 LESS Trade 190	1733.4 ALTITUM POULVÁLE 150 200 101 200	002.0 1 - 20,000 101 - \$105M2 200 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 2	97.0 10 29.4 20 - VE 290 10 200	(84075)	3300 4007E	707AL ME 22 241 1200 1
LOAD FACTOR NJ 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-1 TO 1-1 1-1 TO 1-2 1-1 TO 1-2 0-0 TO 0-7 0-0 TO 0-7 0-1 TO 0-0 0-1 TO 0-0 1-1 TO 0-0 0-1 TO 0-0 0-0 TO	Less (min 190	ALTITUDE CONTINUE CON	- 25,000 NF AIRSH 200 10 250 1 2 4 4 34 3 3 4 4 1 4 4 1 2 4 4 1 3 4 4 1 3 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4	TO 20,4 160 - VE 250 170 360 3 3 170.0 10 20,6	(4MDTS) 200 10 350		2893.0 TOTAL M2	AGOT RILES  LOAD FACTOR  AGOT 2-0 2-4 TD 2-0 2-6 TD 2-6 1-0 TD 2-0 1-0 TD 1-0 1-1 TD 1-1 1-2 TB 1-1 1-1 TB 1-2 1-1 TB 1-1 1-1 TB 1-2 1-1 TB 1-3 1-1 TB 1-2	190.7 04.4	270 200 200 200 200 200 200 200 200 200	300000 100000 100000 100000 100000 100000 100000 100000 1000000	97.0 10 25.4 250 70 300 300 300 300 400 400 400 400 400 40	(HMDTS) 300 70 200 200	300 460vt	707AL ME 2 22 241 1200 11 11 11 11 11 11 11 11 11 11 11 11 1
AGENT 2-0 2-4 TO 2-0 2-4 TO 2-0 2-6 TO 2-0 1-5 TO 1-5 1-5 TO 1-5 1-3 TO 1-5 1-4 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-6 TO 2-0 1-7 TO 1-1 1	L633 India 150	ALTITUDE EQUIPALS 150 200 200 200 200 200 200 200 200 200 2	- 25,000 NF AIRSet 200 TO TO 250 A	TO 20,4 160 - VE 250 TO 300 3	(48075) 200 18 350	3100 40071	2003.0 TOTAL M2 115 No 115 1072.0 7207.2	LOAC FACTOR NAT A TO SERVICE STATE S	24.3 LESS TRANS 199 29.7 94.4	1733.4 ALTITUM POULVÁLE 150 200 101 200	002.0 1 - 20,000 101 - \$105M2 200 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 2	97.0 10 29.4 20 - VE 290 10 200	(84075)	4600	201 AL BE STORY OF ST
AGENT 2-0 2-4 TO 2-0 2-4 TO 2-0 2-6 TO 2-0 1-5 TO 1-5 1-5 TO 1-5 1-3 TO 1-5 1-4 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-5 TO 2-0 1-6 TO 2-0 1-7 TO 1-1 1	LESS FRIM 150	ALTITUDE EQUITALS 150 150 150 150 150 150 150 150 150 150	- 25,000 NF AIRSH 200 10 250 1 2 4 4 34 3 3 4 4 1 4 4 1 2 4 4 1 3 4 4 1 3 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4	TO 20,4 160 - VE 250 170 360 3 3 170.0 10 20,6	(4MDTS) 200 10 350		2003.0 TOTAL M2 E E E E E E E E E E E E E E E E E E E	LOAC FACTOR NAT A TO SERVICE STATE S	190.7 04.4	2733.4 ALTETHOR POULTALS 200 200 200 200 200 200 200 200 200 20	300000 10000000000000000000000000000000	97.0 10 25.4 250 70 300 300 300 300 400 400 400 400 400 40	(HMDTS) 300 70 200 200	22.	707AL ME 22 241 1290 1
FACTOR  ABOUT 2-0 2-4 TO 2-0 2-6 TO 2-0 1-5 TO 1-5 1-5 TO 1-5 1-3 TO 1-5 1-1 TO 0-7 1-4 TO 0-7 1-5	LESS FRIGHT 150	ALTITUDE EQUIPALS 150 200 200 200 200 200 200 200 200 200 2	- 25,000 NF AIRSH 200 10 250 1 2 4 4 34 3 3 4 4 1 4 4 1 2 4 4 1 3 4 4 1 3 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4	TO 20,4 160 - VE 250 170 360 3 3 170.0 10 20,6	(4MDTS) 200 10 350		2003.0 TOTAL M2 115 70 7207.2	LOAC FACTOR NAT A TO SERVICE STATE S	190.7 04.4	2733.4 ALTITUM POULTALS 200 200 200 200 200 200 200 200 200 20	300000 10000000000000000000000000000000	97.0 10 25.4 250 70 300 300 300 300 400 400 400 400 400 40	(HMDTS) 300 70 200 200		201 220 231 241 241 241 241 241 241 241 241 241 24

67

Table 53

Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 135,000 lb. and Above

LGAO		al 117 <b>40</b> 0					TOTAL	L040		EGU I YALI			,coo f881 8 (KMB15)		TOTAL
PACTON ME	LESS THAN 190	190 70 200	200 10 250	250 10 300	300 Tö 350	150 AND ABOVE	M	FACTOR NZ	LESS THÂM 196	190 18 190	200 70 250	290 10 300	300 TO 350	AND AND ANDYE	M2
ABQVE 2.8 2.4 TO 2.8 2.6 TO 2.4 1.6 TO 2.6 1.4 TO 1.6 1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.5	1 2		2		***		4 11 55	ACOVE 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.3 1.3 TO 1.3	1	•	1 1	ı	,,,,	-50.71	1 1 7
1.1 70 1.2	120	45 139	21				599	1.1 70 1.3	*	111	21	i			40 195
0.0 18 0.9 0.7 10 0.0 0.6 10 0.7 0.4 10 0.4 0.2 10 0.4 0. 10 0.2 00.00 0. TIME (MIN) NAME (MIN)	50	ï	14				142 15 2	0.8 TO 0.9 0.7 TO 0.8 0.6 TO 0.7 0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2 06.00 0. TIME (MIN)	16	15	16 5	1			110
HAUT MILES	57.3 451.4	ALTITURE EQUIVALER			,000 FEET		141.3 479.2	NAUT MILES	11.5 27.1	122.6 397.0 ALTITUGE EQUITALE	194.3 - 10,000		COO FEET		104.7
LOAD FACTOR	LESS			250	-	350	TOTAL	LOAD FACTOR	LESS	156	200	250 TO	300 10	350	TOTAL
NE	198 198	190 10 200	\$20 10 500	16	360 18 350	AMO	wi	62 2.4 10 2.8 2.4 10 2.8	1114R 190	70 2 <b>06</b>	290 290	70 300	70 350	390 AND ADQVE	**
2.0 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.4 TO 1.2 1.5 TO 1.5 1.5 TO 1.5 1.2 TO 1.5		•	:				12	2.0 TO 2.4 1.6 TO 2.0 1.6 TO 1.0 1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3		1	1				. 2
111 10 114		44	22	3			71	1.1 10 1.2	1	20	•	•			34
0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.7 0.0 TO 0.4 0.2 TO 0.4		"	ış	1	•		<b>4</b>	0.8 TO 0.9 0.7 TO 0.8 0.4 TO 0.7 0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2		10	,				17
COLON 6. TIME (MIN) MONT MILES		821.3 741.0	58.4 235.1	3.7 17.0			203.4 773.0	Stion C. Time (Min) NAUT Milits	14.0	270.6 936.2	01.1 351.5	7.6 36.0			372.7
							*****	medi nifeta			****				
		-			100 FEET		*****						100 PEET		
1,040		60*1AVE#1	15,000 1857E	10 2C,(	(KROTS)	300	TOTAL			ALT ITUDE	- 20,060 IT AIRSPE	ta 25,6	1410731		1974
LOAD PACTOR ME	1.835 Fridit 1.94	_	19,000	10 20,0		390 648 849VE		L DAD FACTON ME	LESS FRAM 190	ALTITUDE	- 20,000	10 25,0	1410731	150 400 4627E	TOTAL NE
ACCUPE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0	196 196	60*1AVE#1	15,000 1857E	10 2C,(	(KROTS)	300 AMB AMBOVE	TOTAL	LGAO FACTOM	LESS THÂR	ALTITUDE EQUIVALEN 196 10	- 20,060 IT AIRSPE	ta 25,6		370 AND ALCOVE	
ACCUPE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0	LESS Profits 196	250 150 19 200	19,000 AIRSPE 200 T0 290	10 2C,(	(KROTS)	390 846 865994	TOTAL NZ	LDAO FACTOR M2 40002 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.0 TO 0.0 0.0 TO 0.0 0.0 TO 0.0	LESS THÂR	500 10 10 10 10 47 11106	- 20.05C	ta 25,6	1410731	1340 400 4607T	<b>4.</b>
ACCUPE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0		200 200 200 200 200 200 200 200 200 200	19.000 200 10 200 200 10 200	10 2C,(	(KROTS)	300 608 609VE	TOTAL NZ	ABOVE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.1 TO 1.0 1.2 TO 1.0 1.2 TO 1.0 0.7 TO 0.0 0.7 TO 0.0 0.0 TO 0.0	LESS THÂR	55 10 10 10 10 47.11.106	- 20.050 IT AIRSPE 200 TO 290 290	ta 25,6	1410731	350 ang 452vg	47 27 23 2
ABOVE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.1 TO 1.2 0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.7	1935 Profes 1996	200 200 200 200 200 200 200 200 200 200	19.000 AIRSPE 200 10 200 210 4 1 1 23 4	10 20,0 10 - WE 250 10 300 300 3.3 20,3	(KROTS)	390 600 AGENT	1016L N2 31 31	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731	350 860 46274	*** *** ***
ABOVE 2.0 2-0 TO 2.0 2-0 TO 2.0 2-0 TO 2.0 1-0 TO 2.0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-1 1-2 TO 1-1 1-1 TO 1-2 0-0 TO 0-0 0-0 TO 0-0 0-1 TO 0-0 0-0 0-1 TO 0-0 0-0 0-0 TO 0-0 0-0	19.1	200 E0+1VALENT 150 F0	19.000 AIRSPE 200 10 200 200 210 407.0 300.2 29.000 AIRSPE	10 20,0 10 - WE 250 10 300 300 3.3 20,3	100 TD 250 250	390 860 860ve	10744. RE 31 31 15	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731	350 MB 46274	47 27 23 2
ACCUPE 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 1.0	19.1	200 200 200 200 200 200 200 200 200 200	19.000 AIRSPE 200 10 200 200 210 407.0 300.2 29.000 AIRSPE	10 20,0 10 - VE 250 10 300 300 300 20.3 20.3 10 30,0	(KRBTS) 300 TO TO 250 T	350 500 400VE	1016L N2 31 31	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731		47 27 23 2
ACCOUNT 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 0.0		200 E0+1VALENT 150 F0	19.00c 200 200 10 200 200 200 200 200 200 200	10 20,0 10 - WE 250 10 300 300 3.3 20,3	100 TD 250 250	200 200 200 200 200 200 200 200 200 200	10744. RE 31 31 15	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731		47 27 23 2
ABOVE 2.0 2-0 TO 2.0 2-0 TO 2.0 2-0 TO 2.0 1-0 TO 2.0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-1 1-2 TO 1-1 1-1 TO 1-2 0-0 TO 0-0 0-0 TO 0-0 0-1 TO 0-0 0-0 0-1 TO 0-0 0-0 0-0 TO 0-0 0-0	19.1	200 200 200 200 200 200 200 200 200 200	19.000 AIRSPE 200 10 200 200 210 407.0 300.2 29.000 AIRSPE	10 20,0 10 - VE 250 10 300 300 300 20.3 20.3 10 30,0	(KRBTS) 300 TO TO 250 T	350 300 400 400 400 400	10744. RE 31 31 15	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731		47 27 23 2
######################################	19.1	200 200 200 200 200 200 200 200 200 200	19.000 AIRSPE 200 10 200 200 210 407.0 300.2 29.000 AIRSPE	10 20,0 10 - VE 250 10 300 300 300 20.3 20.3 10 30,0	(KRBTS) 300 TO TO 250 T	350 860 800vq	10744. RE 31 31 15	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731		47 27 23 2
ACCOUNT 2.0 2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 0.0	19.1	100 100 100 100 100 100 100 100 100 100	19.000 AIRSPE 200 10 200 200 210 407.0 300.2 29.000 AIRSPE	10 20,0 10 - VE 250 10 300 300 300 20.3 20.3 10 30,0	(KRBTS) 300 TO TO 250 T	350 600 600 600 400 400 400 400 400 400 40	10744. RE 31 31 15	LDAO FACTON ME 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-0 1-0 TO 1-0 1-0 TO 1-0 1-1 TO 1-0 1-1 TO 1-0 1-1 TO 1-2 0-0 TO 0-0 0-0 TO	LEES Profit 130	ALTITUDE EQUIVALENT 196 10 200 200 22 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 20,000 T AIRSPO TO TO 250 35 10 1	ta 25,6	1410731		47 27 23 2

Table 54

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission III (Training)

Gross Weight Range: Below 35,000 lb.

		ALTEV <b>US</b>			,000 FEET		TOTAL			ALTITUME EQUIVALEN			,000 FEET E (880TS)		
LCAO FACT <b>O</b> R NE	LESS MAR 190	190 70 200	200 10 250	250 10 300	300 TQ 350	250 AND ADOVE	MZ	FACTOR RE	LESS Pude 190	190 10 268	200 10 290	290 10 366	700 70 750	150 460 4607E	42
AGOVE 2.0 2.4 TB 2.0 2.0 TB 2.4 1.0 TB 2.4 1.6 TB 1.0 1.5 TO 1.0 1.4 TB 1.5 1.2 TB 1.4 1.2 TB 1.3	27	1 2 6 20	2		<i></i>		3 3 43 63 63	400VE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.9 TO 1.5 1.2 TO 1.3 1.1 TO 1.2	12°	9 31	, z		-		2 17 40 20
0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.7 0.0 TO 0.0 0.2 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0	92 17 1	32 6 2 1	:	i			30 4 4	8-8 TO 0.9 0.7 TO 0.0 0.6 TO 0.7 0.9 TO 0.6 0.2 TO 0.2 01 TO 0.2 01 TO 0.2 11 TO 0.1 11 TO 0.1 11 TO 0.1 11 TO 0.1	1	7					**
TIME (MIN)	39.8 124.3	34.5 95.7	10.3	6.5 2.6			105.2 261.0	TIME (MIN) MANT MILES	31.5	47.6	7.9 30.6				39.0 100.3
		ALFITME -			600 FEET (KNDTS)		FOTAL			al fitude			,coo feet E campts)		•••
LOAD FACTOR AZ	LESS THÂM 196	156 70 200	200 10 754	256 10 360	300 10 350	350 A40 40071	MZ.	LOAD FACTOR NE	LESS MAR 196	190 FB 200	200 78 256	250 10 300	300 10 350	350 440 46046	107AL 42
100ve 2.0 1.0 10 2.0 2.0 70 2.0 1.0 70 2.0 1.0 70 1.0 1.5 70 1.0 1.5 70 1.0 1.7 70 1.0 1.2 70 1.3		•	1				, 1 3	460vt 2.0 2.4 T0 2.0 2.0 T0 2.0 1.0 T0 2.0 1.0 T0 1.0 1.3 T0 1.0 1.3 T0 1.0 1.3 T0 1.0 1.3 T0 1.3			1		•••		
0.0 TO 0.0 0.7 TO 0.6 0.0 TO 0.7 0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2 THE MEDIAN	3						•	8.6 10 8.0 9.7 10 6.0 9.0 13 9.7 9.0 10 9.6 9.2 10 6.2 91.00 9. 1110 1110 1110 1110 1110 1110 1110 111		· •	3				•
and wires	11.3	1.7	1.0				90.1	east with?	1.3	1.2	7.5				11.0
		ALTERNOS	- 15. <b>00</b> 0	<b>70</b> 20,	, <b>.00 0</b> {{ <b>1</b> }					ALFITOME -	20.000	76 24.0	<b>1811</b>		
1000		-	1 4885		(ENETS)		TOTAL			-	41024		(4481)		1014
raciga N	1255 1140 190	190 10 200	200 10 230	710 10 100	346 76 356	396 400 400 400 400 400 400	뻍	racian ag	LESS TOUR ENG	190	100 10 10	196 10 240	100 10 104	170 140 140 140	4
######################################	1					•	<b>;</b>	2-0 2-0 2-0 2-0 2-0 2-0 10 2-0 10 2-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1	•						
0.0 10 0.0 0.7 10 0.0 0.0 10 0.7 0.0 10 0.0 0.7 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 0.0 10 0.0	1 0.00	1 0.0 1.2	:::				1. 1 15.0 15.0	0.0 10 0.4 0.7 10 0.5 0.0 10 0.7 0.3 10 0.6 0.2 10 0.6 0.3 10 0.7 00.00 0.7 1100 101011	4-6 10-0						5 1 10.0

Table 55 Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)
Gross Weight Range: 85,000 to 95,000 lb.

			GI	055		ut Na	inge.	65,000	10 75	, 000	10.				
		ALTITUO			.400 FEET					AL 11100			000 FEET		
LONG FACTUR ME	LESS THES	590 16 120 Lahineri	(m) A(RS) 200 70 290	710 - V 290 10 200	100 100 10 250	JO AND AGGVE	181AL 42	LOAD FACTOR ME	1855 7000 190	190 190 200	106 206 10 216 216	\$10 - VE 796 10 200	(66975) 200 78 200	110 140 140 140 140	44 44
2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.3	5 20 122 500 2040 8020	25 26 26 165 732 1903 4427	3 2 2 11 9 10 60 100 623	,			9 41 79 101 1304 4703 13077	2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.5 10 1.0 1.5 10 1.5 1.2 10 1.5 1.2 10 1.2	) 10 115 444 2000	1 17 17 18 18 290 1027 4276	10 12 12 20 207 1700	1 7 13	1		1 20 29 102 400 1702 0076
0.0 TO 0.7 0.7 TO 0.0 0.6 TO 0.7 0.4 TO 0.6 0.2 TO 0.4 0. TO 0.2	4170 1036 100 14	3527 004 160 33 2	**************************************	t			9781 1904 327 33 4	0.8 TB 0.9 0.7 TB 0.0 0.0 TB 0.7 0.4 TB 0.6	1071 203 70 3	3126 447 64 10	1171	25			9099 010 170 29 2
o. to 6.2 Stem o. Time (min) mant miles	4487.6	2701-0 7409-5 ALTITUDE	366.5 1290.0 - 5,000	4.9 16.9	<b>600</b> FEET		761.3 10630.4	o. 10 E.2 Time (min) that miles	1510.5	3329.9 9095.6 M.717906	1472.6 9545.1 - 10.000	34.6 136.5	0.1 0.5 00 FEET		6353.1 19333.6
		-			(68915)					-	NI AIRSPI	140 - W	(4 <b>46</b> 15)		
factor ea	LESS India 198	156 10 200	200 10 250	290 10 300	300 10 750	390 860 86046	1914 <u>4</u>	J.CAG FACTUR MI	LESS THER 190	196 70 200	200 70 250	250 10 300	300 18 350	310 440 400*(	10fAL NE
1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0				1			1 b	2.4 TO 2.5 2.4 TO 2.5 2.0 TO 2.4 3.0 TO 2.4			1				•
1.4 10 1.5 1.3 10 1.4 1.2 10 1.3 1.1 10 1.3	ä	11 12 10 100 171	3 6 16 63 304	1 2 10	;		10 17 42 198 654	AGOV4 2.6 2.4 TO 2.4 2.6 TG 2.4 1.6 TG 2.6 1.6 TG 1.6 1.7 TG 1.6 1.7 TG 1.7 1.7 TG 1.7 1.7 TG 1.7	1 20 80	11 40 177	10	,;	,		100 100 100
0.0 10 0.0 0.7 10 0.8 0.0 10 0.7 0.4 10 0.4 0.2 10 0.2 01100 0. 1100 (0.0)	\$1 7	317 20 10	271 53 6 3	1			450 50 17 4	9.0 10 C.9 9.7 20 G.5 9.6 10 G.7 9.4 70 G.6 9.2 70 G.6 9.2 70 G.7	**	199	10	;			200 37 6
Time (A)h) Time (A)h) Time (A)h)	106.7	\$63-\$ 1906-2 44117488	207.4 1155.2 - 15.00C	100.4 100.4	1-1 3-8 ••• •••1		1250°0 1060°3	e. 00 0.7 deidu d. time imimi mayi miles	394.4	293-5 800-7 84.517488	- 50-000	4.3 4.3	1.3 6.6		1703.4
		Eminer in	1 410500	10 - W	(410)					-	17 ALBS-14	10 - W	1270751		
TACTOR	155 2000 150	190 10 200	19 19 236	250 10 200	300 10 334	750 400 400/41	1814	racton at	196	100 10 100	700 21 210	196 10 100	700 10 346	270 200 400M	M.
2.0 10 2.0 2.4 10 2.0 2.6 10 2.0 1.6 00 1.0 1.5 10 1.0 1.5 10 1.5 1.5 70 1.5 1.5 70 1.5 1.5 70 1.5	•	1 3	; ;				t 1 12	2-0 10 2-0 2-0 10 2-0 3-0 10 2-0 3-0 10 2-0 1-0 10 1-0 1-1 10 1-0 1-1 10 1-5 1-2 10 1-7 1-3 10 1-7		1 2 16 67	11				13 13
21 10 6.0	•	**	12	•			63 19	6.1 10 6.1 6.1 10 6.1			. •				*
		•	•				•	6.1 10 6.4 6.2 16 6.4 6. 16 6.2							
0.0 10 0.7 0.0 10 0.0 0.7 10 0.4 0. 10 0.2 State 0. 1100 (000)	6-2 71-4	**.}	30.4 176.5	1:1			104-1	ting total	6.1 1.4	100.7 000.3	M.1 412.4				100.4 1000.1
		ALTITUÓS	- 11.00C	16 M-1	****								in and the second		
1800		tantage (a	: 414544	* - 4	1040131		10134								
10004 5'4	198 198	100 10 100	100	100	70	-	**		•						
2.0 10 4.0 2.0 10 2.0 1.0 10 4.0 1.0 10 1.0 1.1 10 1.0 1.1 10 1.0 1.1 10 1.1			•				•								
0.2 90 0.0 0.7 10 0.0 0.6 70 0.7 0.0 70 0.0 0.7 10 0.0 0.1 10 0.7 00100 0.7 1700 10001		42.3 210.3	41.c				184.1 000.0								

Table 56

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission III (Training)

Gross Weight Range: 95,000 to 105,000 lb.

		4.11TVBE			14.2075)					44111466			100 FEET		
LCAB FACTOR NE	LESS Trials 196	196 70 200	200 10 250	270 10	300 10 300	390 200 200 200 200 200 200 200 200 200 2	TOTAL NE	LOAD FACTOR RE	LESS Trades 150	190 10 200	200 10 200	290 70 300	300 70 390	310 AND ADDYE	101AL
2.0 TO 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 1.5 1.7 TO 1.5	1 7 27 290 1101 4012 17206	37 99 314 1194 4190 16234	2 2 25 37 90 207 713 2220	2 6 17 52 107	:		2 10 73 171 077 2410 9013 20013	ACCVE 2.0 2.4 10 2.4 1.6 10 2.6 1.6 10 2.6 1.5 10 1.6 1.5 10 1.6 1.9 10 1.9 1.2 10 1.3 1.1 10 1.2	3 36 165 983 3530	1 25 29 20 44 201 201 400	1 3 10 23 33 33 226 726 2307	1 1 14 14	1 1 2 3		1 4 47 71 105 910 3011 15016
6.0 IO 6.9 6.7 IG 6.6 6.6 ID 6.7 6.4 IB 6.6 6.7 IG 6.4 6. ID 6.2 61.60 0. 1 IM (MIR)	1903 1909 1909	1063 1063 120 72	1375 363 300 30 2	12) 76 96 22	1		20300 4010 770 172 6	0.0 10 0.0 0.7 70 0.0 0.0 10 0.7 0.4 10 0.4 0.2 70 0.4 0. 10 0.2 04.80 0.2 1101 10301 0407 01125	2007 363 27 10	4727 953 172 37	2227 75 e 105 44	10	1		11947 1947 343 95
neut mitts	19156.3	9537-3 15140-7 ALTITUDE	-	47.4 297.5 10 10.4			15540.4	ting tages name miles	2001.5 7000.4	7234.4 21443.4 ALTITUPE		72.0 327.0 10 15.0			12724.3
FACTUR NZ	LESS	130			1610T\$1 300	390	TOTAL	LOAD FACTOR ME	1633	140 Laniants			(EMS75)	350	1074L
	LESS teads 190	190 10 200	700 78 250	750 70 700	10 10	100 100 100	**		LCSS Inde 190	100 10 100	200 10 210	250 10 300	700 70 350	370 440 46074	4
2.4 70 2.0 2.0 70 2.4 2.0 10 2.4 1.0 10 1.0 1.9 10 1.4 1.4 70 1.5 1.3 70 1.4 1.1 70 1.2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 5 37 44 73 130 903 36,80	1 3 30 36 37 40 190	; ; ;	;		1 12 10 10 100 200 001 1002	2.4 10 2.4 2.6 10 2.5 1.6 10 1.3 1.5 10 1.6 1.5 10 1.6 1.2 10 1.3 1.2 10 1.3	2 25 25 25 25 25	1 3 4 14 36 22 75 702 1406	1 1 15 17 13 36 130 707	: : : : : : :	•		2 0 11 14 43 40 146 516 2017
0.0 10 0.0 0.7 10 0.0 0.0 10 0.7 0.1 10 0.0 0.2 10 0.0 0. 10 0.2 01.10 0.2 01.10 0.2 01.10 0.2	****	1962 137 20	10 63 82 100	10			2007 200 50 10	0.0 to 0.0 0.7 to 0.0 0.0 to 0.7 0.0 to 0.2 0.2 to 0.4 0. to 0.2 00.00 do 1100 to 0.2 00.00 do	2M	1001 10 3	135	23 5	1		1921 103 10 10
and witt: time tube: africe or	305.4	1000-1	1271-1 2000-0	133-1 527-4	<b>j</b> .;		3001.3 2000.1	THE THEFT	200.1 753.4	2203-3 7092-6	1427.2 7374.	319.3	13.1		10043-3
			- 11-000	70 20.4	1991 686							10 24	1994 400		
		44.717934								SENIOR I	: - 20.004 Int Alesi		-		
LONG PACTOR	1096	********	mt 4005/	900 - W	1000131	<b>22</b>	997AL -	1000 745798	LESS THOSE		INT ADDS	410 - H	temet\$1	300	107.44
•	100	100 100 200	700 100 100 100 100 100 100 100 100 100	10 10 10 10		<b></b>	*	40000 2.4	LESS THE 190	190	200 70 200 200 200 200		-	360 400 400 400 400 400 400 400 400 400 4	*
40000 2.0 2.4 10 2.0 2.4 10 2.4 1.6 10 2.4 1.6 10 1.4 1.4 10 1.4 1.4 10 1.4 1.4 10 1.4		190 190 200 200 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3	300 100 200 2 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 - VI	1000131	200 200 2004	01 01 03 03 04 04 04 04 04 04 04 04 04 04	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.2	, 6	150 100 200 2 2 3 4 4 5 69	200 200 70 230 230	100 - 10 210 100 100 100	temet\$1	310 400 400 400 400 400 400 400 400 400 4	30 30 30 30 30 30
40000 2.0 2.4 10 2.0 2.4 10 2.4 1.6 10 2.4 1.6 10 1.4 1.4 10 1.4 1.4 10 1.4 1.4 10 1.4		100 100 200	700 100 100 100 100 100 100 100 100 100	10 - 000 000 000 000 000 000 000	1000131	200 400 400 400 400 400 400 400 400 400	*	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.2	, 6	190	200 70 200 200 200 200	410 - H	temet\$1	310 600 400+1	*
•		**************************************	300 100 100 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	100 - 48 250 100 100 100 100 100 100 100 100 100 1	100 100 100 100 100		01 01 03 03 04 04 04 04 04 04 04 04 04 04	40000 2.4	, 6	150 100 200 2 2 3 4 4 5 69	200 Alessa 200 200 200 200 200 200 200 200 200 200	210 - 12 210 10 100 100 100	temet\$1	#10 #50 #400**	27 27 29 210 200 200 200 200 200 200 200 200 200
40000 2.0 2.4 10 2.0 2.4 10 2.4 1.6 10 2.4 1.6 10 1.4 1.4 10 1.4 1.4 10 1.4 1.4 10 1.4		**************************************	300 100 100 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	100 - 48 250 100 100 100 100 100 100 100 100 100 1	100 100 100 100 100 100 100 100 100 100		97 9 9 9 13 13 90 180 180 180 180 180 180 180 180 180 18	2.0 TO 2.	41.2 10 2 3 3 3 41.2 130.0	######################################	200 - 200 -	100 - 12 100 100 100 100 100 100 100 100 100 1	tempts: 100 100 100 100 100 100 100 100 100 10		20 20 20 20 20 20 20 20 20 20 20 20 20 2
40000 2.0 2.4 10 2.0 2.4 10 2.4 1.6 10 2.4 1.6 10 1.4 1.4 10 1.4 1.4 10 1.4 1.4 10 1.4	1 9 90 00 00 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERFORMANCE OF THE PERFORMANCE O	100 100 100 100 100 100 100 100 100 100	100 - 40 250 100 100 100 100 100 100 100 100 100 1	0.0 100 100 100 100 100 100 100 100 100		97 9 9 9 13 13 90 180 180 180 180 180 180 180 180 180 18	### 2.40   2.40	, 6	# 1144# # 1000** # 1000* # 1000** # 1000* # 1000*	200 100 200 200 200 200 200 200 200 200	210 - 12 210 10 100 100 100	tempts: 100   100	200 400 400 400 400 600 400 400	20 23 21 210 20 20 20 20 20 20 20 20 20 20 20 20 20
4000 20 20 20 20 20 20 20 20 20 20 20 20		**************************************	300 100 100 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	100 - 48 250 100 100 100 100 100 100 100 100 100 1	100 100 100 100 100	<b></b>	97 9 9 9 13 13 90 180 180 180 180 180 180 180 180 180 18		41.2 10 2 3 3 3 41.2 130.0	######################################	200 - 200 -	100 - 12 100 100 100 100 100 100 100 100 100 1	tempts: 100 100 100 100 100 100 100 100 100 10		20 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25
	1 9 90 00 00 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CENTURAL TO SERVICE AND THE SE	200 100 100 100 100 100 100 100 100 100	100 - 40 250 100 100 100 100 100 100 100 100 100 1	0.0 100 100 100 100 100 100 100 100 100		01 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	### 2.40   2.40	41.2 10 2 3 3 3 41.2 130.0	199 100 200 200 200 200 200 200 200 200 200	200 - 200 -	100 - 12 100 100 100 100 100 100 100 100 100 1	tempts: 100 100 100 100 100 100 100 100 100 10		27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Table 57

Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)

		ALT ITUDE	G	TO 8 8	Weig	ht R	ange:	105,000	to 11	5, 00	0 lb.		,c <b>oo</b> ree!		
		-								[OUIVAL	-		E (51075)		
LOAD FACTOR	LE35 THAN 190	190 70 200	200 TO	250 70 300	300 10 354	196 400 400ve	TOTAL	LOAD PACTOR NZ	LESS THAN 190	190 10 10	200 18 250	250 10 360	200 10 250	940 940 940	107AL ME
2.0 TO 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.3 1.3 TO 1.3	190 7 30 140 727 3270	200 1 13 22 29 294 1032 2100	250 4 5 27 54 215 1123	1 1 2 4 24 29 30	160	Move	10 10 20 120 404 3000 7201	Acces 2.8 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.3 TO 1.0 1.3 TO 1.5 1.3 TO 1.5 1.3 TO 1.5	150 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	200 2 2 1 6 30 150 673 3006	290 1 1 5 17 69 360 1903	10 1 1 4 10 34 07 153	1 1 3 6	ACCVE	3 17 67 201 1229 1674
0.0 70 0.0 0.7 77 0.0 0.6 70 0.7 0.4 70 0.6 0.2 70 0.2 0.10 0.2	1962 296 37 1	1723 364 67 16	647 100 23	43 17 18			4946 744 141 31	6.8 78 0.9 6.7 70 0.8 6.6 79 0.7 6.6 70 0.6 6.2 70 0.6 6. 10 0.2 6610w 6.	953 92 4 1	1846 268 44 7	1110 162 29	110 67 15 7	1		3427 540 75 24
Time (min)	1445.5 1515.0	1019.3	032.5 3004.7	206.3			3004.7 11412.5	TIME (MIN)	104.1	2495.1 7710.0	1000.1	74.4 333.3	1.4		13076.5
		ALTITUDE		•	*** /EE1					ALTITUDE		TO 15.			
LOAC	1888	150		-	(RMDYS)	200	TOTAL	FACTOR	LFSS	E@HIVALE				140	TOTAL
**	1140FF	150 70 200	200 16 210	290 10 300	100 100 100	900 ACOVE		N	Inda i Se	190 10 200	100 10 10	790 TO 300	700 70 390	JSS AND ADDVE	N.
ACCUTE 7.6 2.4 2.4 1.0 10 2.4 1.0 10 2.6 1.5 10 1.6 1.6 1.6 1.7 10 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	102 1 2 1 2	3 3 3 11 24 41 100 775	t 2 2 3 5 14 201	3 15			3 9 7 16 80 61 227 1143	2.6 TO 2.6 2.6 TO 2.6 1.6 TO 2.6 1.5 TO 1.6 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 1.7 1.7 TO 1.7 1.7 TO 1.7	i 14 3)	1 7 8 0 25 25	1 1 1 3 2 12 196	ı;			11 11 12 62
0.0 10 0.0 0.7 10 0.0 0.0 10 0.7 0.2 10 0.4 0. 10 0.2 0.10 0.2 0.10 0.2 0.10 0.2	17	946 46 1	147 10 1	,			796 85 8	8.8 to 8.4 8.7 to 6.8 8.6 to 6.7 8.6 to 8.6 6.2 to 8.6 8.10 6.2 8.10 6.2 8.10 6.2 8.10 6.2	že Š	144 11 1	13% 3 3	12			23 4 1
sent users	407.5	1434.0	448.3 1704.7	121.3			3001-1 0004-7	ting (min)	30.7 141.9	500.5 2004.5	1023-1	14-4 27-4	8.5		111 <b>0</b> -4 4335-4
		44,117400	- 15,000	10 27.	*** ****					ALT I TWO	- 20,000	10 5.	ces 7881		
LOAD FACTOR		1401144.0			1000753		78744	LBMD		<u>Emiarri</u>					1014
**	120	100 10 120	766 178 2740	216 10 346	300 70 300	100	•	racton ad	LESS Nodes 190	190 10 200	200 16 210	256 10 340	100 100 300	14844 148 148	~
2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 2.0 1.5 10 1.6 1.5 10 1.6 1.6 30 1.5 1.5 10 1.6 1.6 30 1.5	2 1 3	36 36	1 13 204	 ii			•	AGON 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.2 TO 1.5 1.3 TO 1.5 1.3 TO 1.5	1	1 3 3 30 30					1 3 8 6 61
11 10 11 11 10 11 11 10 11	11	33%	10.7	10			434	6.0 TO C.0 6.7 TO 6.0 6.4 TO 6.7 6.4 TO 6.4 6.2 TO 6.4	. 4	230	4	*			140
0.0 10 0.0 0.7 70 0.0 0.0 10 0.7 0.0 10 0.4 0.7 10 0.4 0.7 10 0.7 1100 0.7 1100 0.7 1100 0.0 1100 0.0	M-1	196.5	694.1 2007.7	14.9 84.4	1:1		1431-0	c. 10 b.; oftine o. link (mps) oner nicks	30.3 (30.6	770.0 240.4	647.4 349a.7	6.7 Vol.			1907.4 7[10-8
		AL 11198	- 15.00	10 H,	488 8458			,		44111464	- 30,010	10 140	4 7441		
LINE		(deptod)	POT 64854	740 · V	1630751		1914	Land Potron		PARITME	H 44854	w • #	1049151		1014
AEC. NO	100	120	700 10 710	100	100 10 214	100	•	AGETON M	170	100	700 10 730	790 16 18	100 100 100	<b>#</b>	•
METER 2.4 3-1 10 2.4 1-0 10 2.4 1-0 10 1-4 1-0 10 1-4 1-1 10 1-4 1-1 10 1-4 1-1 10 1-4 1-1 10 1-4		,	•		•••			######################################	•				<b></b>		
			. •				14	ALT TO ALT ALT TO ALT ALT TO ALT ALT TO ALT ALT TO ALT TO		•					

Table 58 Maneuver Load Factors by Equivalent Airspeed and Altitude Mission III (Training)
Gross Weight Range: 115,000 to 125,000 lb.

		ALT I TUDE		TO ?,	000 FEET					ALTITUDE -	- 2.00C	to s,	000 FEET		
		EOUTATE			(KNOTS)					EGUI VALEN					101AL
LOAD FACTOR ME	LESS THAN 150	190 10 200	200 70 250	250 19 300	300 70 350	350 AND ABOVE	TQT±L HZ	LOAD FACTOR NZ	LESS TH <b>AN</b> 150	190 79 200	200 70 290	250 10 300	300 70 350	350 460 400vē	#Z
ABOVE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.4 TC 1.0 1.4 TC 1.5 1.3 TO 1.4 1.2 TO 1.3	•	! !					ļ	ABOVE 2.9 2.4 TG 2.4 1.6 TG 2.6 1.5 TG 1.6 1.5 TG 1.6 1.4 TG 1.5 1.3 TG 1.5 1.2 TG 1.3	3	2 5 20	1 2	3			3 10 00 167 021
1.2 70 1.3	100	32 66	16				54 176	1.2 70 1.3	16 267	134 455	37 91	•			
6.6 10 C-9 6.7 10 G.6 0.6 10 G.7 6.4 10 G.6 6.2 1G G.4 6. 10 G.2 86LDw G.	50 7 1	42 5	•				104 12 1	8.8 TO G.4 6.7 TO G.8 8.6 TO 8.7 9.4 TO G.6 6.2 TO G.4 6. TO G.2 88600 0.	261 14 2	300 94 12 7	45 14 7 1	1			700 124 21 9
TIME (MIN) MAUT MILES	35.6 83.6	28.0 87.2	₹.5 10.6	** **	GOO FEET		46.7 181.0	TIME (A14) MAUT MILES	102.7	234.2 732.6 ALTIT <b>UDE</b>	42.2 231.4 - 10.000	3.3 :4.5			1225.3
		SUTITIA SJAVIUDS			(KNOTS)					EGNIANTEN	*****		KOO FEET		
FACTOR	LESS	120 TO	200 TO	290 TO	300	350	TOTAL	LOAD FACTOR NE	LESS	196 70	200 TO		300 TO	350	TOTAL
#2" 400YE 2.6	190	200	250	300	10 350	350 AND 1804E	44	400-10 0 0	LESS INM 150	500	250	250 TO 300	250	350 AND ABOVE	162
2.4 TO 2.8 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.9 TO 1.6 1.4 TO 1.5 3.3 TO 1.4 1.2 TO 1.3		1	1 3	ı			1 1 4 15	2.4 TG 2.8 2.6 TG 2.4 1.8 TB 2.9 1.4 TG 1.8 1.5 FG 1.6 1.5 TG 1.5 1.3 TU 1.4 1.2 TG 1.3			3	1 1			1 4 34
1.1 70 1.2		32	49	•			84			12	15	,			
0.8 ID C.4 0.7 IO 0.8 0.6 IO C.7 0.4 IO 0.4 0.1 IO C.2		25 5 1	26 14 3	•			\$2 16 7	0.4 TB Q.9 0.7 TO 0.8 0.6 TO 0.7 0.4 TO 7.4 0.2 TJ 7.4 0. EO 0.2 98LDu Q.		•	17	9			24
DELOW 2. TIME (MIN) MAUT MILES		76.6 259.2	37.0 348.0	7.5 34.9			121.1 442.2	TIME IMINI NAUT MILES		92.0 322.4	43.2	8. i 39. 9			143.3 943.7
				-											
		ALTITUDE	- 15,00C	10 24,	COO FEET					ALTITUDE -	- 20,08C	70 2".	COG FEET		
A CAR		EQUIVALE:			COO FEET		TREAL	1000		EGUTYALEN					TOTAL
LCAD PACTOR M2	LESS TH <b>AR</b>	EQUIVALES 190 10	1 AIRSP1 200 10	1±0 - Vé	(KNOTS) 300 70	350 440	TOTAL NZ	LOAD FACTOR NZ	LESS THAN	EQUIVALEN 190 70	7 AIRSP 200 70	150 - VE	(KNDTS) 300 70	350 860	TOTAL NS
PACTOR	t E 3	EGUTVALES	I AIRSPI	leo - We	(KNOTS)	550 AMD ABOY'E	_	FACTOR NZ	LESS Fridit 190		V AIRSP	820 - W	(KNOTS)	350 MB MB 350	N.F.
ABCVE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.6 TO 2.0 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.1 TO 1.2 0.6 TO 0.2 0.6 TO 0.2 0.7 TO 0.0 0.4 TO 0.6 0.7 TO 0.6	LESS THÂN 150	190 10 200 200	1 AIRSP1 100 10 290	256 10 300	(KNOTS) 300 70	350 AND ABOME	102 2 1 2	FACTOR ML  ABOVE 2.8 2.4 70 2.0 2.4 70 2.0 1.2 1.4 1.2 1.4 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	LESS THAN 190	Equivalen 190 70 200 2 7	7 AIRSP 200 70 250 1 1 7	250 10 300	(KNDTS) 300 70	350 AND ADDVE	n)
PACTOR  MY  ABOVE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.6 TO 2.0 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.1 TO 1.2 0.6 TO C.9 0.7 TO 0.0 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6	1140 150	EQUIVALER 190 200 200 2 2 1 2 2 3 4 3	9 75 48 7	250 - Vé 250 10 300	(KNOTS) 300 70	350 AND ABOY'E	2 1 2 2 2 306 95 13 3	FACTOR ML  ABOVE 2.8 2.4 70 2.6 2.0 1.2 10 2.0 1.2 10 1.2 1.3 10 1.4 1.5 10 1.5 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.5 10 1.6 10 1.5 1	110	Equivalen 156 70 70 70 70 70 70 70 70 70 70 70 70 70	7 AIRSP 200 250 1 1 1 7 10 41 14 14 5 2 1	250 - WE 250 TO 300 TO	(KNDTS) 300 70	350 MB ABOVE	11 1 0 17 17 200 141 200 9
ABCVE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.6 TO 2.0 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.1 TO 1.2 0.6 TO 0.2 0.6 TO 0.2 0.7 TO 0.0 0.4 TO 0.6 0.7 TO 0.6	Inde 150	190 roaler 10 ro 200 200 200 200 200 200 200 200 200 200	700 100 100 290 290 49 75	250 - Ve 250 10 300 3	(KNOTS) 100 170 190	350 AND ABOYE	3 100 5 13 13 100 13	FACTOR ML  ABOVE 2.8 2.4 70 2.0 2.4 70 2.0 1.2 1.4 1.2 1.4 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	196 196	Equivalen 196 70 70 70 70 70 70 70 70 70 70 70 70 70	200 70 250 1 1 1 1 10 41 104 14 15 2 1	250 - WE 250 10 300 4 74 28 2	(KNDTS) 300 70	350 AND ABOVE	1 1 1 77 73 200
PACTOR ME AND ENGINE A	6.7 22.5	200 200 200 200 200 200 200 200 200 200	700 700 700 700 700 700 700 700 700 700	298 70 300 300 3 2.8 2.8 14.7 TO 34,	COO FEET		2 1 2 2 2 306 95 13 3	FACTOR ML  ABOVE 2.8 2.4 70 2.6 2.0 1.2 10 2.0 1.2 10 1.2 1.3 10 1.4 1.5 10 1.5 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.5 10 1.6 10 1.5 1	110	Equivalen 156 70 70 70 70 70 70 70 70 70 70 70 70 70	7 AIRSP 200 250 1 1 1 7 10 41 14 14 5 2 1	250 - WE 250 TO 300 TO	(KNDTS) 300 70	350 AND ACOVE	11 1 0 17 17 200 141 200 9
PACTOR  MY  ABOVE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.6 TO 2.0 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.5 TO 1.5 1.1 TO 1.2 0.6 TO C.9 0.7 TO 0.0 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.6	6.7 22.5	200 200 200 200 200 200 200 200 200 200	249.1 249.1 2104.9 250 249.1 249.1 249.1 249.1 249.1	298 70 300 300 3 2.8 2.8 14.7 TO 34,	COO FEET (RIGHTS)	350	92 2 1 2 2 2 396 95 13 3	FACTOR ML  ABOVE 2.8 2.4 70 2.6 2.0 1.2 10 2.0 1.2 10 1.2 1.3 10 1.4 1.5 10 1.5 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.5 10 1.6 10 1.5 1	110	Equivalen 156 70 70 70 70 70 70 70 70 70 70 70 70 70	7 AIRSP 200 250 1 1 1 7 10 41 14 14 5 2 1	250 - WE 250 TO 300 TO	(KNDTS) 300 70	350 AND ACCVE	11 1 0 17 17 200 141 200 9
PACTOR ME AND ENGINE A	6.7 22.5	200 200 200 200 200 200 200 200 200 200	700 700 700 700 700 700 700 700 700 700	298 70 300 300 3 2.8 24.7 10 35,	COS FEET		92 1 2 2 2 2 2 196 95 13 3 3 207.2 1794.3	FACTOR ML  ABOVE 2.8 2.4 70 2.6 2.0 1.2 10 2.0 1.2 10 1.2 1.3 10 1.4 1.5 10 1.5 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.5 10 1.6 10 1.5 1	110	Equivalen 156 70 70 70 70 70 70 70 70 70 70 70 70 70	7 AIRSP 200 250 1 1 1 7 10 41 14 14 5 2 1	250 - WE 250 TO 300 TO	(KNDTS) 300 70	AGOVE	11 1 0 17 17 200 141 200 9
PACTOR  MY  ABOUE 2.6 2.4 TO 2.6 2.0 TO 2.0 1.6 TO 1.6 1.5 TO 1.6	6.7 22.5	200 100 200 200 200 200 200 200 200 200	249.1 249.1 2104.9 250 249.1 249.1 249.1 249.1 249.1	298 70 300 300 3 2.8 2.8 14.7 TO 34,	COO FEET (RIGHTS)	350	92 2 1 2 2 2 2 2 10 9 13 3 3 3 1704.3	FACTOR ML  ABOVE 2.8 2.4 70 2.6 2.0 1.2 10 2.0 1.2 10 1.2 1.3 10 1.4 1.5 10 1.5 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.6 1.5 10 1.5 10 1.6 1.5 10 1.5 10 1.6 10 1.5 1	110	Equivalen 156 70 70 70 70 70 70 70 70 70 70 70 70 70	7 AIRSP 200 250 1 1 1 7 10 41 14 14 5 2 1	250 - WE 250 TO 300 TO	(KNDTS) 300 70	AGOVE	11 1 0 17 17 200 141 200 9

Table 59
Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)

Gross Weight Range: 125,000 to 135,000 lb.

		-		70 7	,000 FEET		-			ALTITUDE	- 2,500	FB 1	, <b>000</b> FEET		
LOCO FACTOR		CONTRALER:			(#####################################		TOTAL	FACTOR		EGHTALE					TOTAL
NZ TORK	LE33 1040 156	190 10 200	260 10 277	250 18 205	300 78 390	390 AMD AGOVE	est.	NZ	LESS 111419 156	190 10 200	200 10 290	256 78 300	300 78 350	AND MICVE	RE
2.4 to 2.4 2.0 TO 2.4 1.8 TO 2.0 1.8 TO 1.6 1.5 TO 1.6 1.4 TO 1.5 1.7 TO 1.5 1.7 TO 1.3		;					1	2-4 10 2-6 2-6 10 2-6 1-8 10 2-6 1-5 10 1-8 1-5 10 1-9 1-5 10 1-9 1-2 10 1-3 1-1 10 1-2	-	ŀ	2				3 16 66 257
1.2 70 1.3	10	25	;				10		•	27 150	30	į			
0.0 10 0.0 0.7 10 0.0 0.6 10 0.7 0.4 10 0.6 0.2 10 0.6 0. 10 0.2 004.00 0. 1100 (486)	12	17 2 1					20 7 1	0.4 TO 0.0 0.7 TO 0.0 0.6 TO 0.7 0.0 TO 0.4 0.2 TO 0.4 0. TO 0.2 0ELOW 0. TIME IMPAIR	7	161 24 0 5 2	106 25 4 2				296 49 12 7
TIME (MIN)	7.1 10.4	13.2	3-1 12-6	3.0			20.4	mant mires	7.4	201.6	73.9 270.1	21.0			192.2
		M.TITURE -	5.05c	N 10,	and reet					ALTITUDE	- 10,000	TO 14.	600 FEET		
LOAD FACTOR		EGNIVALENT			(44075)		TOTAL	LOAD FACTOR		Edriversa			(68075)	***	TOTAL
N	LESS 1940 190	150 18 200	200 70 290	290 10 305	10 10 390	290 AND AND TE	<b>e</b> t	N.	LRSS THAN LSC	190 76 200	290 78	250 14 200	300 TO 350	350 AND ADDVE	ME
AGOVE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.8 TO 2.0 1.6 TO 1.0 1.9 TO 1.0 1.9 TO 1.5 1.3 TO 1.0 1.2 TO 1.3 1.1 TO 1.2		, , 12	1	1 3 3			! !	2.0 10 2.0 2.0 10 2.4 1.0 10 2.6 1.0 10 1.6 1.5 10 1.6 1.5 10 1.5 1.7 10 1.5 1.2 10 1.7						-	
0-0 10 0-2 0-0 10 0-9		7	•	,			19	6.8 TO C.9		,	2				•
0.8 10 0.0 0.7 10 0.0 0.6 10 0.7 0.4 10 0.0 0.2 10 0.4 0. 10 0.2 00100 0. 1182 (min)		34.3	23.2	1			į	6.3 TO C.9 6.7 TO 6.8 6.6 TO 6.7 6.4 TO 6.6 6.2 TO 6.4 6. TO 6.2 68100 0. TIME LAND NAME AND TO FEEL OF THE CONTROL OF THE CON		<b></b>	19.1	2.0			79.0
MAN MILES		317.4	73.5	14.9			00.7 225.7	NAUT MILES		207.5	12-1	2.0 10.1			73.2 271.2
		44.717404 -			400 FEET					ALTITUDE	- 20,000		7334 <b>000</b>		,
LOAD FACTOR	LESS	CONTACT	AIRSPE	eo - w	(00075)	<b>198</b>	TOTAL	LGAG FACTOR	LESS	taniavre.	of Almsei	160 - VE	(41015)	360	1014
LOAD FACTOR AL	LESS man 150	CONTACTO				350 ARD ARDUE	107AL 84	LOAD PACTOR Rd	LESS Inda 150					Die AND ADDVE	100 AL
AGENT 2.0 2.4 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.2 10 1.0	LESS mán 190	CONTACT	AIRSPE	eo - w	(00075)	330 460 460vt		LOAD PACTON RAL 2007E 2.0 2.4 TO 2.0 2.6 TO 2.0 1.6 TO 1.6 1.7 TO 1.5 1.7 TO 1.7 1.7 TO 1.7 1.7 TO 1.7	LESS Profits 190	CONTANTE	of Almsei	160 - VE	(41015)	Sie Ale Aleve	
AGENT 2.0 2.4 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.2 10 1.0	ACSS Milan 130	190 70 300	AIRSPE 200 70 250	eo - w	(00075)	310 600 4500E	me i	AGOVE 3.6 3.4 TO 2.6 2.6 TO 2.4 1.6 TO 2.6 1.5 TO 1.6 1.5 TO 1.5 1.7 TO 1.4 1.7 TO 1.7	Fredit 190	300 300 300 200 200	10 250 10 250	250 70 300	(41015)	250 AZO 400VE	**
· W	4.0 130	1 10 200 200 200 200 200 200 200 200 200	200 10 200 200 200	60 - VI 290 10 300	(00075)	310 400 400 400 400 400 400 400 400 400 4	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGOVE 2.8 2.4 TO 2.8 2.4 TO 2.8 2.6 TO 2.4 1.6 TO 2.6 1.6 TO 1.6 1.5 TO 1.6 1.5 TO 1.6 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2 0.5 TO 0.2	toon 150	Equivales 190 30 200 200 47 23 1 2	200 700 700 200 200	12 10 10 10 10 10	(41015)	AND ADDRESS OF THE PROPERTY OF	1 0 0 0 0 1 2
AGENT 2.0 2.4 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.2 10 1.0		1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	206 70 206 70 200 200 200 211 11 2	250 10 300 300 4 1	(00075)		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AME 2.6 2.6 2.6 2.6 10 2.6 1.6 10 2.6 1.6 10 2.6 1.6 10 1.6 1.6 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1940 1940 3 3	2001 VALES 250 200 200	200 200 200 200 200 200 200 200 200 200	250 70 300 300	(41015)	STO AST ABOVE	1 0
AGENT 2.0 2.4 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.2 10 1.0	4.0 13.7	1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	206 70 206 70 200 200 3 3 31 11 2 70,2 200,6	290 10 300 300 4 1 10-4 10-4 10-7 10-7	100 100 100 100 100 100 100 100 100 100		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AME 2.6 2.6 2.6 2.6 10 2.6 1.6 10 2.6 1.6 10 2.6 1.6 10 1.6 1.6 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1940 1940 3 3	Equivales 190 30 200 200 47 23 1 2	200 200 200 200 200 200 200 200 200 200	250 70 300 300	(41015)	310 420 460*1	1 0 0 0 0 1 2
Agont 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.4 2.0 TO 2.4 2.0 TO 2.4 2.5 TO 1.0 2.5 TO 1.0 2.5 TO 1.0 2.7 TO 0.0 0.7 TO 0.0 0.0 0.7 TO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.0 13.7	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	206 70 206 70 200 200 3 3 31 11 2 70,2 200,6	250 10 300 300 4 1	100 100 10 10 100	275 4800a	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AME 2.6 2.6 2.6 2.6 10 2.6 1.6 10 2.6 1.6 10 2.6 1.6 10 1.6 1.6 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1940 1940 3 3	Equivales 190 30 200 200 47 23 1 2	200 200 200 200 200 200 200 200 200 200	250 70 300 300	(41015)		1 0 0 0 0 1 2
Agont 2.0 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.4 2.0 TO 2.4 2.0 TO 2.4 2.5 TO 1.0 2.5 TO 1.0 2.5 TO 1.0 2.7 TO 0.0 0.7 TO 0.0 0.0 0.7 TO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	206 70 206 70 200 200 3 3 31 11 2 70,2 200,6	290 10 300 300 4 1 10-4 10-4 10-7 10-7	100 100 100 100 100 100 100 100 100 100	270 48004	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AME 2.6 2.6 2.6 2.6 10 2.6 1.6 10 2.6 1.6 10 2.6 1.6 10 1.6 1.6 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1940 1940 3 3	Equivales 190 30 200 200 47 23 1 2	200 200 200 200 200 200 200 200 200 200	250 70 300 300	(41015)		1 0 0 0 0 1 2

Table 60 Maneuver Load Factors by Equivalent Airspeed and Altitude Mission III (Training)
Gross Weight Range: 135,000 lb. and Above

		44.0.44.00	_	•- •											
		ALTITUDE -			1.000 FEET (E (RNDTS)					EONIANTEMA VT.111005 -			F. (CHOTS)		
LOAD FACTOR	LESS		280 70	250	300 10	350	TOTAL	LOAD FACTOR	LESS	150	200		300 10	350	TOTAL
W	190	190 70 204	70 290	70 300	10 350	AND	M.	N2	190 190	100	78 298	290 10 300	70 334	AMO	ME
2.4 TO 1.8 2.9 TO 2.4								40GYE 2.0 2.4 TO 2.6 2.4 TO 2.4							
1.6 TO 2.6 1.6 TO 1.8 1.5 TO 1.6								2.0 73 2.4 1.0 70 2.0 1.4 70 1.0 1.5 70 1.4 1.4 70 1.5							
1.5 70 1.6							-	1.5 10 1.5							
2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 3.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.5 1.2 TO 1.3	i	1	5				22	00076 2.0 2.0 70 2.0 1.0 70 2.0 1.0 70 2.0 1.5 70 1.0 1.5 70 1.5 1.3 70 1.5 1.2 70 1.3		17	ì				ı
0.4 10 0.9	•	;	2				19	9.9 TO 9.9		10	5				51
0.0 TO 0.7 0.4 TO 0.6		•					2	8.7 10 4.6 8.4 10 4.7		2					
6.2 78 8.4 9, 78 6.2								0.4 19 0.6 7.2 70 0.4 0. 75 0.7		-					
6.8 70 8.4 6.7 70 6.8 6.0 70 8.7 6.4 70 8.6 6.2 78 8.4 6. 78 8.2 01.00 8.7 71.00 (mbh)	3.3 6.6	5.3 16.8	0,6 2,1				9.2 27.5	0.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.7 0.0 TO 0.0 7.2 TO 0.0 0.0 TO 0.7 OTTIME (MIN) MART WILES		0.1 20.1	5.0 10.0				13.1
		ATTITUDE -	_	70 10	,coe FEET		****	and wifes		44.T 17406 -		TO 19	,cao FEET		7701
		Editaren			E (KINDTS)					600194L691	AIRSPEE		E (RMOTS)		
LOAD FACTOR RE	LESS	156 76 260	200 10 250	250 16 300	300 10 350	350 400 400VE	797AL	LOAD FACTOR ME	LESS TOLK	190 10 200	700 70 230	750 70 70	300 70 350	370 AND ANDVE	1 <b>01</b> 44 R2
	154	200	250	200	390	ACCVE	-	****	190	200	290	100	350	AGOVE	
2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.5 1.5 TO 1.5 1.5 TO 1.5								2.4 16 2.5 2.6 10 2.4 1.6 16 2.6 1.5 16 1.6 1.5 16 1.6 1.4 16 1.5 1.2 16 1.5 1.2 16 1.3							
1.4 YO 1.0 1.5 TO 1.4								1.4 18 1.4							
1.4 16 1.5 1.3 16 1.4								1.4 10 1.5							
i.i ii i.i		•	2				•	1.1 10 1.2							
0.0 10 0.9 0.7 10 0.0 0.0 10 0.7 0.4 10 0.6 0.2 15 0.2 0.15 0.2 00.100 0.7		•					11	9.8 TO 9.0 9.7 TO 9.0 9.6 TO 9.7 9.4 TO 9.6 0.2 TO 9.4 9. TO 9.2 CTUDE 9. 1742 (1884)		1					1
0.4 10 0.7 0.4 10 0.6 0.2 15 0.4															
0.2 TS 0.4 8. TS 0.2 004/10 0.		•••					•••	CTUD 0.2							•• •
NAME ANTES		24.1 94.4	30.0				29.7 185.4	ment neres		22.0 01.7					22.0 61.7
		ALTITUDE -	- 15, <del>00</del> 6	10 20	7997 CCC.					ALTITUME -	20,000	10 Z1	.coo Fter		
1,040 6,64100	1844	tantverous			-	-	10144	L000	4 000	PODEVALONY	APREPER				1014
LOAD FACTOR OZ	LESS Today 199	190 190 10 200	A105FI 200 10 200	200 - V 200 700 200	200 200 10 200 200	<b></b>	10144	PACTOS.	L055 Tours 190		AF75/E6 200 10 200 210			230 A40 A40	MS.
	120	•				340 460 460 460 460 460 460 460 460 460 4	10144		199			350 10 20 20	200 70 70		
	LESS THAN 170	•				340 460 460 460 460 460 460 460 460 460 4	10744		1884 Todas 199					330 450 4604	
	LESS THAN 190	•				120	10144		LESS Trong 190					230 450 450 450 450 450 450 450 450 450 45	
	CESS Middy 170	•				***	*		1235 Tourn 190		10 10 200			astvit	**
460v1 2.0 2.4 10 2.4 2.0 10 2.4 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.3 10 1.3 1.3 10 1.4 1.2 10 1.3	150	•				4000	TOTAL NE	10000 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.1 1.1 10 1.2	188 180 190					400	
460v1 2.0 2.4 10 2.4 2.0 10 2.4 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.3 10 1.3 1.3 10 1.4 1.2 10 1.3	LESS THAN 190	•				SAD ADD ADDVI	*	10000 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.1 1.1 10 1.2	LESS Trum 190		10 10 200			AD ASSVE	**
460v1 2.0 2.4 10 2.4 2.0 10 2.4 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.3 10 1.3 1.3 10 1.4 1.2 10 1.3	LESS Trick 199	•				340 465 465 465 465 465 465 465 465 465 465	*	10000 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.1 1.1 10 1.2	LPSS THEM 100		10 10 200			NIO AND ANCIVE	**
40001 2.6 2.4 10 2.6 2.4 10 2.6 2.0 10 2.4 1.0 10 2.6 1.0 10 1.6 1.1 10 1.6 1.2 10 1.6 1.2 10 1.3 1.1 10 1.2 1.1 10 1.2 1.2 10 1.2 1	LESS THAN ETO	100	200 10 200	790 70 700		340 460 460 460 4	•	ATOM 2.3 2.4 10 2.0 2.4 10 2.0 1.4 10 2.0 1.4 10 1.0 1.5 10 1.0 1.5 10 1.0 1.7 10 1.0 1.0 1.0 1.	100 100 100	150 70 300 1	200 10 200 1				2 1
40000 2.6 2.4 10 2.0 2.6 10 2.4 1.6 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.3 1.2 10 1.3	LESS Train 190	3				25.	*	10000 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.0 10 1.1 1.1 10 1.2	100	190 70 300 1 1	10 10 200	300		230 AND ACTVE	**
40001 2.6 2.4 10 2.6 2.4 10 2.6 2.0 10 2.4 1.0 10 2.6 1.0 10 1.6 1.1 10 1.6 1.2 10 1.6 1.2 10 1.3 1.1 10 1.2 1.1 10 1.2 1.2 10 1.2 1	LESS THAN 150	100	200 10 200	790 70 700		22,	•	ATOM 2.3 2.4 10 2.0 2.4 10 2.0 1.4 10 2.0 1.4 10 1.0 1.5 10 1.0 1.5 10 1.0 1.7 10 1.0 1.0 1.0 1.	100	190 70 300 1 1	200 10 200 200	300	300 10 300	ACCUSE	9 1 1 00,7
40001 2.6 2.4 10 2.6 2.4 10 2.6 2.0 10 2.4 1.0 10 2.6 1.0 10 1.6 1.1 10 1.6 1.2 10 1.6 1.2 10 1.3 1.1 70 1.2 1.1 70 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	LESS Track 170	100	200 10 200	790 70 700		<b></b>	•	ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 78 300 3 1 1 1 102-7 102-7 4.7(1000 -	200 10 200 200	300	300 10 300	210 ADD ACCVE	2 1
40001 2.6 2.4 10 2.6 2.4 10 2.6 2.0 10 2.4 1.0 10 2.6 1.0 10 1.6 1.1 10 1.6 1.2 10 1.6 1.2 10 1.3 1.1 70 1.2 1.1 70 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	LESS Than 199		That	300 300 300 300 300 300 300			•	ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.		190 70 300 1 1	200 10 200 200	300	300 10 300	210 4674	9 1 1 00,7
ACCUTE 2.8 2.4 10 2.8 2.6 10 2.8 2.6 10 2.8 1.0 10 2.0 1.0 10 1.6 1.3 1.6 1.3 10 1.6 1.3	150	190 200 100.0	able	## ##	3		•	ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 78 300 3 1 1 1 102-7 102-7 4.7(1000 -	200 10 200 200	300	300 10 300	250 250 250 250 250 250 250 250 250 250	9 1 1 00,7
40001 2.8 2.4 10 2.8 2.6 10 2.8 2.6 10 2.8 1.0 10 2.0 1.0 10 1.0 1.3 10 1.0 1.3 10 1.1 1.3 10 1.1 1.3 10 1.1 1.1 10 1.1 1.1 10 0.7 0.7 10 0.8 0.6 10 0.7 0.7 10 0.8 0	Man	wer and a series of the series	able Load	61 1 F&	ctors	by	199.00	ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 78 300 3 1 1 1 102-7 102-7 4.7(1000 -	200 10 200 200	300	300 10 300	270 400 400 400 400 400 400 400 400 400 4	9 1 1 00,7
40000 2.40 24.0 10 2.40 24.0 10 2.40 24.0 10 2.40 14.0 1.5 14.0 1.5 1.2 10 1.41 1.2 10 1.3 1.3 10 1.4 1.4 10 1.5 1.5 10 1.4 1.5 10 1	Man	euver	able Load	61 Faced a	ctors	by titud	199.00	ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 78 300 3 1 1 1 102-7 102-7 4.7(1000 -	200 10 200 200	300	300 10 300	ACTIVE	9 1 1 00,7
### ### ##############################	Man- uival	euver ent Ai	able Loac	61 Faced a	ctors and Al	by titud		ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 70 300 3 1 1 1 20-7 102-2 3 4.7(1000 -	200 10 200 200	300	300 10 300	ACCUSE	9 1 1 00,7
40000 2.40 24.0 10 2.40 24.0 10 2.40 24.0 10 2.40 14.0 1.5 14.0 1.5 1.2 10 1.41 1.2 10 1.3 1.3 10 1.4 1.4 10 1.5 1.5 10 1.4 1.5 10 1	Man- uival	euver ent Ai	able Loac	61 Faced a	ctors and Al	by titud		ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 70 300 3 1 1 1 20-7 102-2 3 4.7(1000 -	200 10 200 200	300	300 10 300	210 200 200 200 200 200 200 200 200 200	9 1 1 00,7
### ### ##############################	Man- uival	euver ent Ai	able Loac	61 Faced a	ctors and Al	by titud		ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	190 70 300 3 1 1 1 20-7 102-2 3 4.7(1000 -	200 10 200 200	300	300 10 300	200 ACC.	2 1
### ### ##############################	Man- uival	euver ent Ai	able Loac	61 Faced a	ctors and Al	by titud		ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	1201 100	200 70 300 3 1 1 1 20-7 102-2 3 4.71700 - 6001701,007 100 200 2	200 70 70 200 10 10 2,00 10 10 10 10	300	300 10 300	200 200 200 200 200 200 200 200 200 200	22 2 3 400,5 107 04 10
### ### ##############################	Man- uival	euver ent Ai	able Loac	61 Faced a	ctors and Al	by titud		ATOM 2.3 2.4 10 2.4 2.5 10 2.4 1.5 10 2.5 1.5 10 2.5 1.5 10 1.5 1.	LESS.	200 70 300 3 1 1 1 20-7 102-2 3 4.71700 - 6001701,007 100 200 2	200 10 200 200	300	300 10 300	active active	2 1

Table 62 Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)

Gross	Weight	Range:	85,000	to	95,0	00 1ъ.
-------	--------	--------	--------	----	------	--------

LOAD PACTOR MASSYE 2.0 2.4 TD 2.0 2.6 TD 2.0 2.6 TO 2.0 1.5 TO 1.0 1.5 TO 1.0 1.5 TO 1.2 1.1 TO 1.2 0.0 TO 0.7 0.7 TO 0.0 0.7 TO 0.0 0.2 TO 0.4 1.2 TO 0.4 1.2 TO 0.4 1.3 TO 0.4 1.4 TO 0.5 1.5 TO 0.6 1.5 TO 0.7 1.5 TO 0.6 1.5 TO 0.7	AESS TIMM 190 29 110 403 510 62 11	ATTITUDE EQUIVALES 150 170 200 170 170 170 170 170 170 170 170 170 1			coo FEET (RMSTS) 300 TO 300	350 ABOVE	2 0 0 10 10 10 10 10 10 10 10 10 10 10 10	AGOVY 2.8 2-0 TO 2-8 2-0 TO 2-8 2-0 TO 2-8 1-0 TO 2-9 1-0 TO 1-9 1-1 TO 1-7 1	LESS FRAM 150	200 IVALE 150 10 200 5 7 13 67 12 12 125 125 125 126 127	200 19 290 0 9 28 79 229 709 982 143 62 21 1	290 - WE 290 100 100 100 100 100 100 100 100 100 1	coo FRET (AMOTÀ) 100 10 250	350 AND ASOVE	13 17 14 14 14 14 14 14 14 14 14 14 14 14 14
MAUT MILES	391.2	341.0	477.4				1210.4	MAUY MELES	207.6	917.6	1452.1	43.7			2641.1
LOAD PACTON NE	LESS THING 150	ALTITUDE EQUIVALÊN 190 TE	- 5,000 IT AIRSM 200 200 250		000 FEET (MMDTS) 300 10 390	356 AMD ADOVE	TSTAL NZ	LCAD FACTOR NE	LESS THAM 150	EGUIYALE 156 TG	200 TO		(KMDTS) 300 TO	350 AND ABOVE	TOTAL NE
AGOVE 2.4 2.4 TO 2.6 2.6 TO 2.6 1.6 TO 2.6 1.5 TO 1.0 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.5 1.1 TO 1.2	190	9 33	**	1 12	390	ANOVE	12	ABOVE 2.4 2.4 TO 2.8 2.0 TO 2.8 1.8 TO 2.0 1.4 TO 1.5 1.3 TO 1.5 1.3 TO 1.5 1.2 TO 1.5 1.2 TO 1.3	156	266 1 4 45	299 1 4	340	35ē	ABUVE	7 10 129
0.8 10 0.4 0.7 10 0.8 0.0 10 0.7 0.0 10 0.7 0.2 10 0.4 0. 10 0.2 00100 1100 1	1	30	34	16			1	C.0 TO C.9 6.7 TO 0.8 0.6 TO 0.7 0.4 TO 0.8 0.2 TO 0.4 0. TO 0.2 2010m 0. TIPE (MIN)		48	\$		.*		100
naut Miles	6.7 22.7	101.3	94.4 253.7	17.3			178.0 640.8	MANT MILES	1.3	76.6 203.9	43.2 243.1	11.8 60,7			152.3
a cab Pactua Ma	40\$\$	ALTITUDE CONTYALON	T AIRSP	160 - ME	000 FEET (RMD75)	360	701 M.	i UAU F 14 (188)	4855	FOUTHAL		110 - W	(EMQTS)	)90	TOTAL
AND 2-8 2-4 13 2-6 2-6 10 2-6 1-8 10 2-6 1-8 10 2-6 1-5 10 1-6 1-5 10 1-6 1-5 10 1-6 1-5 10 1-6 1-5 10 1-7 1-1 10 1-2	192	150 10 200	10 200	210 10 200	300 10 310	APGVE	as as	ACOVA 2.0 2.0 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0	150	150 700	29C 10 29C	256 10 308	10 350	AND	WE
0.0 TO C.9 0.7 TO 0.0 0.4 TO 0.0 0.4 TO 0.0 0.2 TO 0.0 0.2 TO 0.2 00.10 0.2 TO 0.2 01.10 01.10 01.10 01.10 01.10 01.10 01.10 01.10		ı::i	10.0	1 21			1.9 21.0	6.0 TO 0.0 0.7 TO 0.0 0.0 TO 0.7 0.0 TO 0.4 0.2 TO 0.4 0.10 0.2 01.00 0.7 100 0.7 100 0.7		l::	94.0				67.4 270.0

Table 63

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission IV (Aerial Delivery)

Gross Weight Range: 95,000 to 105,000 lb.

1043		ALTITUS BOUTAL	E - Ent Airs		,000 FEE1					4717000 8808984	- 2,000	•	000 FEET		TOTAL
PACTOR ME	LESS 7060 190	199 10 201	200 70 250	290 T0 300	700 TO 351	330 400 400vt	TOTAL ME	FACTOR RE	LESS THAN 196	190 70 200	200 70 250	290 78 300	300 70 230	340 AND ANDON	#2
ABON E 2.8 2.4 TO 2.8 2.6 TO 2.8 1.8 IO 1.6 1.6 TO 1.0 1.5 TO 1.0 1.3 TO 1.4 1.2 TO 1.2 1.1 TO 1.2	1290 1290	1 2 10 10 10 10 10 10 10 10 10 10 10 10 10	1 3 11 30 126 472 477		350		1 3 15 22 54 276 1120 3326	### 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 1.6 1.5 TO 1.5 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.2	1 2 3 31 120 866	2 5 12 19 40 419 2215	1 3 6 17 91 215 633 3173	21 21 110		POST TE	1 3 14 31 75 310 1414 6367
6.6 10 6.4 6.7 10 6.8 6.6 16 6.7 6.4 10 6.4 6.2 10 6.4 6. 10 6.2	151 20	42) 199 31 3	442 243 43 23 3	91 25 4 1			2174 976 122 31 3	0.8 10 0.4 0.7 10 0.8 0.6 10 0.7 0.4 10 0.6 0.2 10 0.4 0. 10 0.2	679 124 14 3	1647 279 61 12	2177 504 169 61 5	106 20 4 1			4625 1887 248 77 3
TIME (MIN) MAUT MILES	993.9 1313.3	403.9 1480.7	1000.6 3706.5	24.0 126.4			1116.3 6714.9	SELOW 6- TIME (MIN) MANT MILES	477.3 1139.6	1095.6 3455.3	1637.5 6125.4	127.6 901.2			3337.5 21201.3
L049		ALTITUME TATITUME	- <b>5,00</b> 0	-	IGO FEET		TOTAL	LOAD		ALTITUDE EQUIVALE	- 1 <b>0,00</b> 0	-	IOO FEET		TOTAL
PACTOR MZ 460VE 2.8 2.4 TO 4.8 2.9 TO 2.4 1.8 TO 2.6 1.6 TO 1.8	LESS THÂN 190	150 10 200	290 10 290	250 10 300	300 TD \ 350	336 380 AUOVE	RZ.	FACTOR ML  ABOVE 2.8 2.4 TO 2.8 2.0 TO 2.4 1.0 TO 2.0 1.5 TO 1.0	LESS THÂN 190	196 76 200	200 TO 250	250 10 300	306 19 356	350 AND AND	42
1.4 fo 1.5 1.3 fb 1.4 1.2 fo 1.3 1.1 fo 1.2		1 2 12 100	112	26			1 2 18 290	1.5 TO 1.6 1.4 TO 1.5 1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2		100	2 7 86	1			13 173
0.3 TO 0.9 0.7 TO C.8 0.4 TO 0.7 0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2		**		10 1			173	0.0 TG 0.4 0.7 TB 0.6 0.6 TG 0.7 0.4 TG 0.6 0.2 TG 0.4 0. TG 0.2	•	97	*1				152
G. TO G.2 GELOW G. TIPE (MIN) MANT MILES		107.4	92.1 372.0	8.4 39.0		٠.	208.4 1005.8	BELDS G. TIME (MIS) MAUT MILES	1.3	201.4 749.8	221.0 973.0	2.4 11.2			424.4 1731.1
		ALTITU <b>OS</b>			00 FEET					ALT I TUBE	- 25,000		106 F2ET		
LGAD PACTOR NE	LESS INAN 150	150 10	200 00	250 10	300 10	AND AND AGGVE	TOTAL NZ	LOAD FACTOR ME	LESS THAN 190	150	200	290 10 300	300 10	350 A00 A007E	TOTAL NI
MAGYE 2.0 1.4 10 2.0 2.0 10 2.4 1.8 10 2.0 1.0 10 1.0 1.5 10 1.0 1.5 10 1.5 1.5 10 1.5 1.2 10 1.3	154	300	390	340	390	asuve		ADDVE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.4 YO 1.6 1.5 TO 1.6 1.7 TO 1.5 1.7 TO 1.5 1.7 TO 1.5	199	300	290	•	356		
1.0 70 0.0 1.7 70 0.0 1.0 10 0.7 1.4 70 0.4 1.2 70 0.4 1. 70 0.2 101.00 0.1 101.00 0.1 101.00 0.1								0.6 10 0.0 0.7 10 0.0 0.6 10 0.7 0.4 10 0.6 0.2 10 0.6 0. 10 0.2 01.00 0. 11.00 (0.10)		1					
ring (MIN) Mut Hiles	3.2	::	****				42.6	TIME (A)A) MANT MILES		74.7 366.7	16.7				377.4

Table 64

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission IV (Aerial Delivery)

Gross	Weight	Range:	105,	000 to	115,	000	lυ.
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LEGG FACTOR OCT 2.0 2.4 TO 2.0 2.4 TO 2.0 1.5 TO 1.0 1.5 TO 1.	1.055 Wide 130 130 14 14 174 174 174 174 174 174 174 174 1	ALTITUE CONTIVAL 150 10 200 13 20 20 351 952 20 20 27 20 351 357 20 351 352 406.3		-	000 PEUT 1 (RRETS) 340 10 250	350 AGB AGGVE	70744 Md 17 27 57 29 57 205 1650 2051 510 00 20 20	ACCOUNT 2.00 FRETEN MET 2.00 2.0 TO 2.00 2.0 TO 2.00 2.0 TO 2.00 1.0 TO 2.00 1	LESS Tours 3500	ALTITUM PGN17AL 190 200 200 200 303 3239 622 204 34 5	2 - 2,000 200 - 200 70 - 200 200 - 2		1 1 1 1 - T - T - T - T - T - T - T - T	350 AND ADOVE	707AL R2 2 4 12 20 172 903 31-5 21-4 541 100 35 1
LGA9 FACTOR M2 AGCVE 2.0 2.4 70 2.0 2.0 10 2.4	LESS THAN 150	200 10 130 140 141 140 141 140 141 140 141 140 141 140 141 140 141 141		: 10 10,0 FED - VE 250 100 300	100 FEET (58875) 300 10 350	3%0 Ann Annys	TOTAL QZ	tuas FACTOR AL ABOUT 2.6 2.4 TO 2.0 2.0 TO 2.0	LESS TIMBO ASO	ALTITUE EQUIVAL 190 TO 200	E - 10,000 Ent Airsp 206 10 250		1840 FEET (184075) 300 10 350	350 AND ANDVE	POTAL MZ
AGGVE 2.8 2.4 78 2.4 1.5 10 2.4 1.5 10 2.6 1.5 70 1.6 1.5 70 1.5 1.4 10 1.5 1.7 70 1.5 1.1 10 1.2	; ;	6 20 233	1 3 3 3 3	9 114 03			7 39 996 312	1.0 IO 2.0 1.5 IO 1.8 1.5 IO 1.6 1.4 IO 1.5 1.3 IO 1.3 1.1 IO 1.3		1 4 48	12				1 4 63
0.0 TO 0.9 0.7 TO 0.0 0.0 TO 0.0 0.2 TO 0.0 0.2 TO 0.2 0.1 TO 0.2 0.1 TO 0.2 0.1 TO 0.2 0.1 TO 0.2	1.3	302.7 4e7.1	134.2 530.0	32.3 192.3			370.0 1319.0	8.6 TO C.4 6.7 TO C.6 6.6 TO C.6 6.4 TO S.6 6.2 TC 8.4 6. TG G.2 8ELDW C. TIME (MIN) NAUT WILES	6.0 1.0	71.4 250.0	42.5 107.1	1.0 4.9			119-3
1 GAD +ACTON MX ANOME 2.4 2.4 TO 2.6 2.5 TO 2.6 1.5 TO 2.6 1.5 TO 1.6 1.5 TO 1.5 1.5 TO 1.5 1.7 TO 1.5 1.7 TO 1.7	LESS THAN 314	200 70 20170F 8 40170F		* F0 3C+1 *F60 - VE 290 10 300	100 FEET (10015) 300 10 350	350 AND SYNDE	101as. Re								
1.3 76 1.4 1.2 70 1.3 1.1 70 1.2 0.0 70 0.0 0.7 70 0.0 0.0 70 0.7	1	1					2								

32.0 152.4

Table 65

Maneuver Load Factors by Equivalent Airspeed and Altitude

Mission IV (Aerial Delivery)

Gross Weight Range: 115,000 to 125,000 lb.

L CAD FACTOR NZ	LESS TH <b>AN</b> 150	ALTITUDE FCUTVALE 150 10 200		-	00 FEET (KN9TS) 300 TO 350	350 AND ABOVE	TOTAL M2	LOAD PACTOR NE	LESS IMAN 196	ALTETUDE - EQUIVALENT 150 10 200	••••	_	5,000 FEET WE (EMPTS) 300 TO 390	310 AND ADDYE	TOTAL RE
ARCVE 2.8 2.4 TO 2.4 1.0 TO 2.0 1.6 TO 1.8 1.5 TO 1.8 1.5 TO 1.6 1.4 TO 1.5 1.2 TO 1.5 1.1 TO 1.2	1 6 49 253	1 2 17 91 943	28 85 233	2			1 7 55 231 1033	ABOVE 2.0 2.4 TD 2.4 1.0 TO 2.4 1.0 TO 1.0 1.5 TO 1.0 1.5 TO 1.5 1.1 TO 1.5 1.2 TU 1.3 1.1 TO 1.2	2 16 111	1 26 197 916	1 2 32 165 464	1	•••		2 2 20 301 1302
0.8 10 0.9 0.7 70 0.8 0.4 10 0.7 0.4 10 0.6 0.2 70 0.4 0. TO 0.2 0£LOW 0. TIME (MINN) MANT MILES	167 23 1 1 1 132.2 309.3	264 37 4 1	121 62 14 3	4 14.7 43.7			576 122 21 5 740-6 2363-2	0.8 TO 0.9 0.7 TO 0.8 0.6 TO 0.7 0.4 TO 0.6 0.2 TO 0.2 9ELOW 0. TIME (MIN) MAUT MILES	44.1		350 110 23 5	3.1 13.9			1123 305 54 10

Table 66

Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)

Gross Weight Range: 125,000 to 135,000 lb.

LOAD FACTOR Ng	LESS Thán 150	ALTITUDE TO 10 200		350 450 4607	TOTAL.	Lane PACTOR ne	LESS 7000 190	44,717000 - 0004944,847 196 200		7,000 PEET VE (MMPTS) 300 10	1984s. 100 est	
ABOVE 2.0 2.4 TO 2.0 2.0 TO 2.0 1.6 TO 2.0 1.0 TO 1.0 1.7 TO 1.5 1.3 TO 1.5 1.3 TO 1.4 1.2 TO 1.2	1	 11		· .	10	40000 2.6 2.6 10 2.4 2.6 10 2.4 2.6 10 2.4 2.6 10 2.6 2.6 10 2.6 2.6 10 2.6 2.6 10 2.6 2.6 10 2.6 2.6 10 2.6 2.6 10 2.6		1 4 10	1			• • • • • • • • • • • • • • • • • • •
0.8 TO 0.9 0.7 TO 0.0 0.0 TO 0.7 0.0 TO 0.0 0. TO 0.2 0. TO 0.2 0. TO 0.2 16.TM 0. 12.PT (MIN)	\$ \$.0 \$.0	3.3 10.4			1.3	0.0 10 6.0 0.7 16 6.0 0.0 10 0.7 0.0 10 0.0 0.7 10 0.0 0.7 10 0.3 00.00 0.7 00.00 0.7 00.00 0.7		i ins	23		17.1 19.1	

Table 67
Maneuver Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)

Gross Weight Range: 135,000 lb. and Above

LOAD FACTOR RE ADDRE 2.0 2.4 10 2.0 2.0 10 2.4	LESS THAN 190	500 18 190 190 W.111/86 -	_	-	000 FEET (KMDTS) 300 TO 300	354 Ann Above	TOTAL ME	LONG PACTOR ME AGOVE 2.0 2.4 TO 2.0 2.0 TO 2.4	LESS IMBN 198	ALTITUDE - DESIDALENT 150 10 200	-,		100 FEET (NAMETS) 300 10 210	399 A40 A0044	101AL 92
2.4 to 2.6 2.6 to 2.4 1.6 to 2.6 1.0 to 1.0 1.9 to 1.6 1.4 to 1.9 1.3 to 1.4 1.2 to 1.3 1.1 to 1.2	4 26 27	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1				2 1 10 44	1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.4 TO 1.5 1.3 TO 1.5 1.1 TO 1.5	1 7 19	3 6 22 14	ı				1, 13 22
0.0 TO 0.9 0.7 TO 0.0 0.0 TO 0.7 0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2 00100 0. TIME INDO	19.4	4.5 16.2	0.5 1.6				22.4 53.4	0.0 TO 0.0 0.7 TO 0.0 0.6 TO 0.7 0.4 TO 0.6 0.7 TO 0.4 0. TO 0.2 TIME (RIO) NAME ATLES	23.2 27.4	33.5	1.5				39.2 190.5
LOME FACTOR	LESS Name 190	ALTITUDE - EQUIVALENT 150 70 200			100 FEET (MMPTS) 200 70 300	3740 4410 44007E	TOTAL NE	LONG PACTON RE	LESS THÂM 150	200 2001/44/2017 150 10 200	10,000 ARRSM 200 10 200		100 FEET (RIMPTS) 100 70 200	MD AMD AMOVE	TOTAL
######################################	LESS Turks 190	Edriavreni	AJRSPE	m - w	144975)	310 400 4001E		AGOVE 2.6 2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.4 1.0 TO 1.6 1.0 TO 1.6 1.1 TO 1.6 1.2 TO 1.3 1.3 TO 1.4 1.2 TO 1.3	LESS THAN 150	190 190	AIRSM	150 - WE	(RMDTS) 306 70	276 AND ARROYS	
FACTOR NAT 2.0 2.0 2.0 10 2.0 10 2.0 10 2.0 1.0 10 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1200	\$60 100 100 100 100 100 100 100 100 100 1	AIRSPE( 200 10 200 200	m - w	144975)	210 400 400 400 400 400 400 400 400 400 4	3	AGOO PACTON NZ AGOOD 2.0 2.0 10 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	LESS Tride 190	190 190	AIRSP( 200 10 200 200	150 - WE	(RMDTS) 306 70	316 460 4600E	4t

14C140	188 188	44.11.000 - 100	19,000 8105# 200 10 210	140 - 41 ( 200 17	100 10	<b>#</b>	1074L
	<b>)</b>	***	<b>210</b>		<b>300</b>		
LI TO LI LI TO LI TIPO L		lles the	90.3 101.0				142.7 993.3

Table 68

Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude —Mission I (Long Range Logistics)

TOTAL DE LA CONTRACTO DE LE CONTRACTO DE LA CO			** *****		A1t1tu	000 FEET			(Long Ka		ALTITUDE		10 5,0	000 FEET		
1																
A	PACTOR	LESS THAM 150		• • • • • • • • • • • • • • • • • • • •			390 AND racve		FACTOR WIE	LESS IMAN 190	190 10 200	200 TO 250	290 10 303	100 10 350	310 AND AODVE	TOTAL NEE
## 10   10   10   10   10   10   10   10	2.4 TO 2.9 2.0 TO 2.4 1.8 TO 2.0 1.6 TO 1.6 1.5 TO 1.6 1.4 TO 1.5	4	.1	2 64 97 113	1 2 23 17 14 3			47 197 1437	2.4 TO 2.8 2.6 TO 2.4 1.6 TO 2.0 1.6 TO 1.8 1.9 TO 1.8 1.3 TO 1.3 1.3 TO 1.3 1.1 TO 1.2	24 46 46 323 333	145 493	\$ 190 170 145 275 437	32 99 33 13 44 44	ì		2 25 267 757 757 752 1649 2446
ALTITUDE - 3.00C TO 15.00C POST TO 15.000 POST TO 1	0.0 TH 0.0 6.7 TO C.0 6.6 TH 0.7 9.4 TO 6.6 0.2 TO 0.4 0. TO 0.2	34	109	•	10			326 53 4	6.0 TO 6.0 6.7 TO 6.8 6.6 \0 6.7 6.4 TO 6.6 6.2 TO 6.4 6. TO 6.2	243	43 10		•	,		1230 490 97 22
Table	TEME (MIN)	1462.0 3289.7	3973.9	444.2	54.3	2.1		2746.9 7300.2	MANT WILES		7304.9 ALTITUDE	- 10,000	499.8	20.3 000 FEET		4052.4 12041.3
The column   1.5	1040					• · · · · · · · · · · · · · · · · · · ·		TOTAL	1040							TOTAL
A. TIT D 22 100 237 37 2 307 10 2 100 10 10 10 10 10 10 10 10 10 10 10 10	FACTOR NCE	LPSS THAN 190	190 18 200	200 70 250	256 70 366	300 10 356	700AE	425	426	190	190 78 200	10 256	18 300	70 794	400A6 1400	ME
A. TIT D 22 100 237 37 2 307 10 2 100 10 10 10 10 10 10 10 10 10 10 10 10	1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.4 TO 1.4 1.2 TO 1.3	i	14	20 00 134 144 314	11 23 45	ž		3 99 209 470 405 702 1127	2.4 TO 2.4 2.6 TO 2.4 1.0 TO 2.0 1.5 TO 1.0 1.7 TO 1.5 1.9 TO 1.5 1.2 TO 1.3 1.1 TO 1.3	3	3 19 70 105 100 200 217	3) 76 117	•	3		3 26 111 226 316 466 470
	8.8 TB E.9 8.7 TB 8.8 9.6 TP 8.7 8.4 TB 8.6	22	100 73	109	19	*			6.0 FO 6.7 6.7 FO 6.8 6.4 FB 6.7 6.4 FD 6.4	3	47	**				200 95 1
Controller   Altitude - VI (HINDTS)   TOTAL   Line   Controller   Control	MELON 4. TIME (MIN)			1522.0	100-1 051-4	12.1		4750.9 17989.1	1146 (400)	30.9	3929.6 13725.9		274.9	7.9 47.1		5748.5 22196.3
### 1500   150   200   2																
### 198			ALTITUE:	ı - 19, <b>00</b> 6	10 20.0	<b>100</b> PEET					44.71.700		: 10 2-,	••• PEET		
1.0   1.0				-								r - 20.000				TOTAL
### 170 0.0 2 2 120 29 120 29 170 0.0 2 100 100 100 100 100 100 100 100 100		LESS Trian 190	EGNIANT	EWT AIRC	569 - Af	(40075)		TOTAL	LONG PACTUR MEE		EGUIVAL	- 20.000  WT A ASI	10 - W	(#M <b>07</b> 5)	750 460 46071	TOTAL
ALTITUDE - 20,000 TO SE,000 PART  - CONTINUE - 20,000 TO SE,000 TO SE,000 PART  - CONTINUE - 20,000 TO SE,000 TO SE,00	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.1 10 1.2	196 196	150 10 200	200 70 210	200 - VE 200 100 200	(MMDTS) 200 10 200	****	TOTAL NEE	LONG FACTOR MATE AND 2-4 2-4 FG 2-8 2-6 FG 2-6 1-6 FG 1-7 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6	LESS 1040 196	Edutuas 155 10 200	7 - 20.000 107 A(RS) 200 10 299	220 - VI 220 70 300	(#M <b>07</b> 5)	350 860 850/12	2 00 300 1200 1200 1200 1200 1200 1200 1
	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.1 10 1.2	714M 198	200 TVAL 1 50 10 200 21 23 25 25 25 200 200 200 200 200 2	200 200 200 200 200 270 270 270 270 200 400 400 400	200 - VE 200 100 300 300	(MMDTS) 200 10 200	200 200 200 200 200 200 200 200 200 200	FOTAL MES	LONG FACTOR MATE AND 2-4 2-4 FG 2-8 2-6 FG 2-6 1-6 FG 1-7 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6 1-7 FG 1-6	1835 1830 196 1 1 1 1 1 1 1 1 1 2 3	19-0 19-0 19-0 19-0 19-0 19-0 19-0 19-0	300 100 200 200 200 200 200 200 200 200 2	290 - VI 290 100 300	(#M <b>07</b> 5)	210 660 660ve	act
PARTON LETT 100 200 200 200 200 200 200 200 200 200	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.1 10 1.2	Pide 190	EGNTANT 100 100 100 100 100 100 100 100 100 10	200 70 200 200 200 200 200 404 200 402 400 400	100 - 100 100 100 100 100 100 100 100 100 100	100 TS 10	<b>=</b>	107AL NEES 400 400 400 400 400 400 400 400 400 40	LONG	1235 10380 1396 131 121 123 124 129 129 120 121 121 121 121 122 123 124 125 125 125 125 125 125 125 125 125 125	Equival: 150 100 200 100 100 100 100 100 100 100 10	1 - 20.000 10	200 - VI 200 200 200 200 200 200 200 200 200 20	(#M <b>07</b> 5)	3790 4400 4600v2	#11 60 300 300 200 200 200 200 200
Manual   100	2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 1.0 1.0 10 1.0 1.1 10 1.0 1.2 10 1.0 1.1 10 1.2	Pide 190	EGNTANT 100 100 100 100 100 100 100 100 100 10	200 70 200 200 200 200 200 404 200 402 400 400	290 - VE	(0.00TS) 200 10 10 100 5	22	107AL NEES 400 400 400 400 400 400 400 400 400 40	LONG	1235 10380 1396 131 121 123 124 129 129 120 121 121 121 121 122 123 124 125 125 125 125 125 125 125 125 125 125	Equival: 150 100 200 100 100 100 100 100 100 100 10	1 - 20.000 10	200 - VI 200 200 200 200 200 200 200 200 200 20	(CAMPE) 300 70 300 300	210 660 66014	2 00 300 100 100 100 100 100 100 100 100
	### 1.0	Pide 150	100   100	200 250 250 250 250 250 250 250 250 250	200 - VE 200 100 100 100 100 100 20 20 20 20 20 20 20 20 20 20 20 20 2	\$ 00.1 00.1 00.1 00.1 00.1 00.1 00.1 00.		197AL 1025 400 430 1300 1300 1300 172 60 6 1 1	LONG TACTOR MAT  MODEL 2-0 TO 2-0 2-0 TO 2-0 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 1-0 1-1 TO 1-1 1-1 TO 1-2 1-1 TO 1-2 1-2 TO 1-2 1-3 TO 1-2 1-4 TO 1-2 1-5 TO 1-2 1-5 TO 1-2 1-6 TO 0-7 1-7 TO 0-1	1213 1200 1200 1201 111 121 121 121 121 121	100 100 100 100 100 100 100 100 100 100	- 20.000	250 - VI 250 250 250 250 250 250 250 250 250 250	(CAMPE) 200 70 200 200 200 200 200 200 200 200		2 00 300 100 100 100 100 100 100 100 100
	### 12-0	Pide 150	100   100	200 250 250 250 250 250 250 250 250 250	200 - VE 200 100 100 100 100 100 20 20 20 20 20 20 20 20 20 20 20 20 2	\$ 00.1 00.1 00.1 00.1 00.1 00.1 00.1 00.		TOTAL NEED	LONG FACTOR  AND 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0 2-0	1213 1200 1200 1201 111 121 121 121 121 121	100 100 100 100 100 100 100 100 100 100	- 20.000	250 - VI 250 250 250 250 250 250 250 250 250 250	(CAMPE) 200 70 200 200 200 200 200 200 200 200		act  ac  ac  ac  ac  ac  ac  ac  ac  ac
	### 12-0	Pride 150  150  100  100  100  100  100  100	100   100	200 210 210 210 210 210 210 210 210 210	200 - VE 200 100 100 100 100 100 20 20 20 20 20 20 20 20 20 20 20 20 2	\$ 00.1 00.1 00.1 00.1 00.1 00.1 00.1 00.		107AL MES 400 4300 13000 13000 13000 14000	LONG FACTOR  AND 2-0 2-0 TO 2-0 2	1213 1200 1200 1201 111 121 121 121 121 121	### ##################################	- 20.000	250 - VI 250 250 250 250 250 250 250 250 250 250	(CAMPE) 200 70 200 200 200 200 200 200 200 200		2 00 00 00 00 00 00 00 00 00 00 00 00 00

Table 69
Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission II (Short Range Logistics)

		ALTITUE	<b>H</b> - (	t 16 2,	,000 FEET					ALTITUE	e - 2,00	C 70 1	.000 FEET		
LOAD		EdilAW		PEED - VI	1KM0T5)		TOTAL	1540		EGNIANT	PMT ALAS	MM - 1	e (amots)		TOTAL
FACTOR NZE ABOVE 2.0	1.622 1MAN 190	150 70 200	200 Tu 210	10 10	70 70 360	1740 460 4607E	MES	LEAD PACTOR REE ADDYS 2.0	LESS FMAR 190	116 78 200	100 10 200	250 76 300	300 10 350	350 410 410ve	ett
2.6 TO 2.6 2.8 TO 2.6 1.8 TO 2.6 1.6 TO 2.6 1.7 TO 2.6 1.9 TO 2.6 1.9 TO 2.6 1.9 TO 2.6 1.9 TO 2.6 1.9 TO 2.6 1.9 TO 2.6	1 17 75 252 666 1369 2961	1 63 130 620 601 1007 1526	4 13 17 130 549 987 1670	1 2 10 24	1		1 6 72 223 2075 2075 2006 5107	2.4 TO 2.0 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.5 TO 1.0 1.5 TO 1.5 1.3 TO 1.5 1.2 TO 1.3	85 64 110 146	3 41 69 311 699 1239	2 22 19 157 200 577 819	1 5 37 31 114 114 132	; ;		4 P5 176 363 1299 3019 3784
8.8 10 6.7 6.7 10 6.8 6.6 10 6.7 2.4 70 6.4 6. 10 6.2 Milds 8. Find (min)	1790 546 67 7	759 267 98	401 97 14				9841 924 134 39	0.0 70 0.0 0.7 70 0.0 0.0 70 0.7 0.0 70 0.6 0.2 70 0.6 0. 10 f.2 00100 0. 7100 (000)	3 51 100 100 100	1526 375 14 14	494 153 24 11	94 12 4	•		2273 699 136 30
mant wires	1633.1	1230.7 3611.7	721.3 2730.7	107.4	11.3		10707-4	TIME (MEM)	700.5 1000.1	2171.4	1140.9 4400.5	305.2 3426.7	14.9 64.3		1446.9
		ALTITUD EQUIPAL			000 FEET					ALT I TUST			,440 FEET		
125 125 126 126 126	LESS IMAD 190	190 70 200	200 10 250	290 10 300	300 70 350	100 100 100 100 100 100 100 100 100 100	TOTAL NEE	LOAD PACTOR NOE	LESS Proce 190	190	200 70 250	250 20 20 20	300 10 250	Mene Mo	TOTAL TOTAL
ABOUT 2.0 2.4 TO 2.0 2.0 TO 2.4 1.8 TO 2.4 1.6 TO 1.6 1.6 TO 1.6 1.7 TO 1.5 1.7 TO 1.5 1.1 TO 1.2		:	•	300 5 1	<b>39</b> 0	MOVE		AGDGE 2.0 2-4 10 2.0 2-0 10 2.0 1-0 10 2.0 1-0 10 1.0 1-1 10 1.0 1-1 10 1.0 1-2 10 1.3 1-1 10 1.2	190			340	290	MEVE	
1.5 10 1.6 1.4 70 1.5 1.3 70 1.4 1.2 70 1.3 1.1 70 1.3	. 6 90 122 67	25 125 291 526 700	19 37 71 296 461 660	23 91 77	;		26 64 257 680 1507 1675	13 10 13	3 2 3	2 14 90 100 100	13 97 90 196 273	13 14 15			300 312 314 30 30
0.0 10 0.0 0.7 10 0.0 0.0 10 0.1 0.0 10 0.4 0.2 10 0.2 0.2 10 0.2 00.00 0.3 00.00 0.3	21	300 136 25 5	122 122 12	116 33 1	•		900 204 20 20 20 20	6.6 76 6.0 6.7 16 6.2 6.6 10 6.7 6.1 10 6.4 6.2 10 6.4 6.3 10 6.2 Mills 6. 11 10 11 10 10 10 10 10 10 10 10 10 10 1	i	130	100	17			336 301 15
THE INC.	100.5	2126.7 7113.4	2901-1 1009-4	645.4 2010.7	23.) 131.0		3401.0 21340.3	Time (min)	13.4 160.4	7000.7 7101.9	1907.7	447.2 1290-1	3.2 10.7		4042.4
		. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					eranes.				444				
		4.11748	_				41740.3			ALITHE	- 30,000		<b>600</b> FRET		
		-	E - 19,000 Det Alase	: 10 it. 100 - W	100 PRTT (ERBTS)	•	Teta,			ALT I THEE PROJUCTOR	- 20,000 17 A1854	10 t-,10	000 FEET (44075)		POP AL
nes eacteur rene	730 MT 22	4.11798	E - 19,000	10 de.	900 PEET	=		LCAD PACTON NCE	198	411798	- 30,000	10 21,	<b>600</b> FRET	****	
1000 PASCERN BOST 200 TO 200 200 TO 200 TO 200 200 TO 2		4.11700 CONTRAC 100 100 300	E - 19,000 Det Alase	10 St., 100 - 10 200 100 340	100 PRTT (ERBTS)	<b>22</b>	1974,	LCAS PACTOR NGE		44,1   1960 F011944,01 190 10	- 30,000 17 A16344 360 70 250	10 t-,10	000 FEET (44075)	<b>=</b> .	TOTAL WIT
1000 PASCERN BOST 200 TO 200 200 TO 200 TO 200 200 TO 2	130 130 141 35	ALTERNAL EQUIPMA 190 10 300	E - 15,000 BRT AJOSO 200 10 250	: 10 2t., 100 - VI 200 10 300	100 PRTT (ERBTS)	2	1074	ACAM JACTOM MINE JACTOM JA	1835 190 190	ALT I THEE PROJUCTOR	- 20,000 HT ALGSM 200 10 200	10 2**,100 - 100 -	000 FEET (44075)	***	TOTAL
1000 PASCERN BOST 200 TO 200 200 TO 200 TO 200 200 TO 2	11 96 Wash 190	A. 111100 CONTROL 100 200 200 200 200 200 200	E - 19,000 DRT AJOSA 70 200 200 200 30 200 200 200 200 200 200	10 26.	100 PRTT (ERBTS)	2	107es, 1021 22 270 270 503 640	ACAM JACTOM MINE JACTOM JA	1415 190 190	ALTITUDE PONIVALD 100 240 210 210 210 400 400 400 400 400 400 400 400 400 4	- 30,400c NY ANGM 100 100 200 1 5 15 15 15 10 10 10 10 10 10 10 10 10 10	70 2**.0	000 FEET (44075)		79744, WPE 1 1 13 100 604 604 1130 1130
1,000 002,000 200 200 200 200 200 200 200	11 96 Wash 190	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 - 15,000 DOT ADDRO 200 200 200 200 200 200 200 20	10 2t. 200 - 10 200 100 100 12 12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	100 FQT (UNDTS) 200 10 300	2	107es, 1021 22 270 270 503 640	1,000 30(1900 0000 2-0 00 2-0 2-0 00 2-0 1-0 00 1-0 1-0 00 1-0 1-0 00 1-0 1-0 00 1-0 1-0 00 1-0 1-0 00 1-0 1-1 00 1	1415 190	ALTITUDE PONTALIS 100 200 200 200 400 400 400 400 400 400 4	- 20,000 or A103M yes 100 yes	70 2**,   100 - v2 200 300 300	000 FEET (44075)		TOTAL  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1000 PASCERN BOST 200 TO 200 200 TO 200 TO 200 200 TO 2	11 95 Wash 1990	ALTITUM 100 100 100 100 100 100 100 10	1 - 15,000 200 200 200 200 200 200 200	10 2t. 200 - 10 100 100 100 110 110 110 110 110 110	100 PQT (00075) 200 100 100 100 100 100 100 100 100 100	200	107es, 1021 22 270 270 503 640	ACAM JACTOM MINE JACTOM JA	1415 PROD 199	ALTINGE Pantward 150 160 160 160 160 160 160 160 160 160 16	- 20,000 er A10300 gro	10 2°4,100 - 10 250 250 250 250 250 250 250 250 250 25	100 FRET (100FS) 100 100 100 100 100 100 100 100 100 10		70744, wird
1000 PACTOR NORTH TO SERVICE STATE S	11 96 Wash 190	A. 11 Treff. COLUMN. 100 200 A. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	1 - 15,000 DOT ADDRO 200 200 200 200 200 200 200 20	10 2t. 200 - 10 200 100 100 12 12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	100 PRET (UMBPS) 200 200 200 200		107es, 1021 22 270 270 503 640	LCMD JACTOM ROSE JACTOM ROSE JAM TO 2.0 JAM TO 2.0 JAM TO 2.0 JAM TO 1.0 JAM	1415 190 190	ALTITUDE PONTALIS 100 200 200 200 400 400 400 400 400 400 4	- 20,000 or A103M yes 100 yes	70 2**,   100 - v2 200 300 300	000 FEET (44075)		TOTAL  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1000 PASTERN P	14 16 14 14 14 14 14 14 14 14 14 14 14 14 14	ALTITUM 100 100 100 100 100 100 100 10	1 - 15,000 200 200 200 200 200 200 200	10 2t. 200 - 10 100 100 100 110 110 110 110 110 110	100 PQT (00075) 200 100 100 100 100 100 100 100 100 100	2.	100 at 10	ACAM JACTOM MINE JACTOM JA	1415 PROD 199	ALTITUDE  PROTECTION 100 200 200 200 200 200 200 200 200 200	- 20,000 er A10300 gro	10 2°4,100 - 10 250 250 250 250 250 250 250 250 250 25	100 FRET (100FS) 100 100 100 100 100 100 100 100 100 10		70704.  10 10 10 10 10 10 10 10 10 10 10 10 10 1
1000 PACTOR NORTH TO SERVICE STATE S	14 16 14 14 14 14 14 14 14 14 14 14 14 14 14	A. 11 TORM 100 200 200 200 200 200 200 200 200 200	1 - 15,000 200 200 200 200 200 200 200	10 2t. 200 - 10 100 100 100 110 110 110 110 110 110	100 PQT (00075) 200 100 100 100 100 100 100 100 100 100	=	107es, 1021 2 2 270 270 503 640	LCMD JACTOM ROSE JACTOM ROSE JAM TO 2.0 JAM TO 2.0 JAM TO 2.0 JAM TO 1.0 JAM	1415 PROD 199	ALTINGE Postural 100 100 100 100 100 100 100 100 100 10	- 20,000 er A10300 gro	10 2°4,100 - 10 250 250 250 250 250 250 250 250 250 25	100 FRET (100FS) 100 100 100 100 100 100 100 100 100 10		70744, wird

Table 70

Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission III (Training)

Column   C						Altı	tude	- M1	ssion III (	Trai	_					
The column																
	LOAD				_			TOTAL	r aye							1074
	Factor Net	LESS Trade	190	200 70	290 10	700 70	390	465	FACTOR NEE	11144	190	70	290 19	70	390	MES
The column   1984   1		190	346	330	260	350	40076		400ve 2.0	190	300	250	300	354	700VE	
The column   1984   1	2.4 70 2.4		_	_				1	2.0 10 2.0			į.				•
The column   1984   1	1.0 10 1.0			2	•			. 56	1.0 10 1.0	3	44	17	•	_		, i
The column   1984   1	1.5 70 1.6	17 46	199	20	26			342	1.5 10 1.6		104		17	2		117
The column   1984   1	1.2 10 1.3	2073	297L	100 500	97			3334	1.3 70 1.4	75 907	1024	701	113			1013
A	1.1 76 1.2										427					11170
A		10540	9126	1005	134			27494	0.1 TO 0.0	5200 4216	15542	3004	274 144	i		22436 34657
A	0.4 10 0.7	336	473	93	68 69			1436 995	8.4 TB 8.7	420	1353	525 156	14	1		2527
A	0, 10 6.3	•	•					7	9. 10 9.2	ž	•	•	1			14
A	TIME (MAN)	14461.3	7030.7	2705.4	122-3	0.3		27762.1	TIME (MIN)	4042.6		9300.1	100.4	3.9		23727.3
Total   Tota		35405.4	21003.7	10514-1	357.7	1.0		11303-12	munt mires	1144-3						1506-01
Column   C																
100   100	1000							101AL	LONG							TOTAL
The column	PACTOL	LESS THER	150 10	760 10	290 10	10	390	466	PACTUM B/S	LESS THAN	190	200 19	270 10	16	300 400	net
1   1   1   1   1   1   1   1   1   1	1000E 2-0	170	540	130	300	39-0	-			120	340		340	384	MONE	
1   1   1   1   1   1   1   1   1   1			ž	2				. 7			į	ļ				3
1   1   1   1   1   1   1   1   1   1		_	17	1	i			17 30	1.6 10 1.5		14	•	•			34
## 1			n	36	<u> </u>			111			27	17				47
## 1			197	171	<u> </u>	_		Gi			ın	112				389
ALTITUDE - SALONE TO 20,000 POST  CONCOLLING AMERICAN - VI CONCOLLING A		227														
ALTITUDE - SALONE TO 20,000 POST  CONCOLLING AMERICAN - VI CONCOLLING A	1. 10 1.	353	120	71.7	47			254.2		굕	945	334	3	2		1314
ALTITUDE - SALONE TO 20,000 POST  CONCOLLING AMERICAN - VI CONCOLLING A		7	**	35	i			•		7	ij	15	•			**
ALTITUDE - SALONE TO 20,000 POST  CONCOLLING AMERICAN - VI CONCOLLING A		•	•	•		•		•			•	•				•
ALTITUDE - SALONE TO 20,000 POST  CONCOLLING AMERICAN - VI CONCOLLING A	7700 (AND)	100.7	0094-0	2074-5	100.0	3.3		9137-1	7142 (848)	433.3	3213-0	2570-7	77.9	3.1		3000.5
Controller Address - vi tempts   Februa   Controller   Februari   Controller Address - vi tempts   Februa   Controller   Februari   Controller Address - vi tempts   Februa   Controller   Februari   Controller   Feb																*****
PACTOR   1.513   1.500   1.5																
The column   The					10 244						4.117400	- 20,000		eso (187		
			***************************************	M MAN	JAD - 48	1949)121							100 - 14			1384 <u>a</u>
The column   The	Lane Pactor		***************************************	M MAN	JAD - 48	1949)121	300			CESS Trains			100 - 14		300 400 400	
The column   The	Lane Pactor		***************************************	M MAN	JAD - 48	1949)121	300		1.00p Patron nage	CRSS Texts 190			100 - 14		, 100 mg	
The column   The	Lane Pactor	LESS THE 150	190 100 100 100	100 10 10 200	JAD - 48	1949)121	300	TOTAL MET	1.00p Patron nage	LESS Inche 190		200 10 270	100 - 14		300 400 400 400 400 400 400 400 400 400	
The column   The	Lane Pactor	LESS THE 1980	100 100 100 100 100 100	200 200 200 200 200	JAD - 48	1949)121	***	TOTAL MET	1.00p Patron nage	CESS Stelle 190	150 70 200	200 10 200	100 - 14		, 200 , 200	***
The column   The	Lane Pactor	LESS Treas 1980	100 100 100 100 100 100	100 100 100 200 200	200 - VE 200 100 100	1949)121	222	TOTAL MET	1.00p Patron nage	2	150 70 200	200 10 200	100 - 141 100 100 100		300 400 400 400 400 400 400 400 400 400	***
# 11 Profit - Private 10 10-1000 FEET	MARINE MA	LPSS Trains 1980 1	100 100 100 100 100 100	100 100 100 200 200	200 - VE 200 100 140	(948)751 200 10 10 200	300 600 600 600 600 600 600 600 600 600	TOTAL MET	1.00p Patron nage	į	150 70 200	200 10 200	100 - 42 100 100 100			***
# 11 Profit - Private 10 10-1000 FEET	MARINE MA	LPSS Trains 1980 1	190 190 190 200 200 200 200 200 200 200 200 200 2	200 10 200 200 2 2 3 11 12 19 19	256 75 76 760	(948)751 280 70 10 300	20,	707 AL	1000 PACTOR NAME 2-8 2-6 10 2-8 2-6 10 2-6 1-6 10 2-6 1-6 10 2-6 1-7 10 1-8 1-3 10 1-6 1-3 10 1-7 1-3 10 1-7 1-3 10 1-7	:	198 70 206 3 0 314 104 273 108	200 10 290 290 11 11 20 100 100	20 - 42 000 100 100 100 100 100 100		engod 940 346	102 100 80 73 73 667 613
# 11 Profit - Private 10 10-1000 FEET	MARINE MA	LPSS Trains 1980 1	190 190 190 200 200 200 200 200 200 200 200 200 2	200 10 200 200 2 2 3 11 12 19 19	200 - VE 200 100 100 100 100 100	(948)751 280 70 10 300		707 AL	1000 PACTOR NAME 2-8 2-6 10 2-8 2-6 10 2-6 1-6 10 2-6 1-6 10 2-6 1-7 10 1-8 1-3 10 1-6 1-3 10 1-7 1-3 10 1-7 1-3 10 1-7	:	198 70 206 3 0 314 104 273 108	200 10 290 290 11 11 20 100 100	100 - 42 100 100 100 100 100		(4000) (400) (400)	102 100 80 73 73 667 613
# 11 Profit - Private 10 10-1000 FEET	MARINE MA	LPSS Trains 1980 1	190 190 190 200 200 200 200 200 200 200 200 200 2	200 10 200 200 2 2 3 11 12 19 19	200 - VE 200 100 100 100 100 100	(948)751 280 70 10 300	200	707 AL	1000 PACTOR NAME 2-8 2-6 10 2-8 2-6 10 2-6 1-6 10 2-6 1-6 10 2-6 1-7 10 1-8 1-3 10 1-6 1-3 10 1-7 1-3 10 1-7 1-3 10 1-7	2 0 2 2 0 10 10	198 100 200 30 30 100 200 200 200 200 200 200 200 200 20	200 200 200 200 200 200 200 200 200 200	100 - 42 100 100 100 100 100		(100) (100) 300	102 100 80 73 73 667 613
# 11 Profit - Private 10 10-1000 FEET	MARINE MA	LPSS Trains 1980 1	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	250 10 10 100 100 17 17 19 19	10000151 100 10 100 100	22	707as. 002 3 3 1.7 0 105 106 106 106 106 106 106 106 106	1000 PACTOR NAME 2-8 2-6 10 2-8 2-6 10 2-6 1-6 10 2-6 1-6 10 2-6 1-7 10 1-8 1-3 10 1-6 1-3 10 1-7 1-3 10 1-7 1-3 10 1-7	2 0 2 2 2 3 13 3	130 70 200 3 3 9 101 102 103 103 104 104 104 104 104 104 104 104 104 104	100 100 200 110 110 100 100 100 100 100	200 - 16 200 10 10 300 20 20 20 20 20		300 (ABM)	100 100 100 100 100 100 100 100 100 100
AND LIFE AND	MARINE MA	LPSS Trains 1980 1	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	200 - vii 200 100 100 100 100 100 111 111 111 111	10000151 100 10 100 100	<b></b>	707as. 002 3 3 1.7 0 105 106 106 106 106 106 106 106 106	1000 PACTOR NAME 2-8 2-6 10 2-8 2-6 10 2-6 1-6 10 2-6 1-6 10 2-6 1-7 10 1-8 1-3 10 1-6 1-3 10 1-7 1-3 10 1-7 1-3 10 1-7	2 0 2 2 2 3 13 3	130 70 200 3 3 9 101 102 103 103 104 104 104 104 104 104 104 104 104 104	200 200 200 200 210 200 200 200 200 210 43 43 43 43 43 43 43 43 43 43 43 43 43	200 - 16 200 10 10 300 20 20 20 20 20		300 600 6000 6000 6000	100 100 100 100 100 100 100 100 100 100
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	MARINE MA	LESS Tress 230 2 2 3 3 4 0 0 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 0 1	### ##################################	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		707as. 002 3 3 1.7 0 105 106 106 106 106 106 106 106 106	1000 PACTOR NATION ACCOUNT 2-8 2-0 TO 2-9 2-0 TO 2-9 1-0 TO 2-9 1-0 TO 2-9 1-0 TO 2-9 1-1 TO 1-1 1-1 TO 1-1 1-1 TO 1-2	30 30 30 33 30 33	200 200 200 200 200 201 201 202 202 203 203 203 203 203 203 203 203	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 100 100 100 100 100 100 100 100 100
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	LANG PACKET AND TO A TO	LESS Tress 230 2 2 3 3 4 0 0 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1	### ##################################	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		707as. 002 3 3 1.7 0 105 106 106 106 106 106 106 106 106	1000 PACTOR BASE  ACTOR 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-	30 30 30 33 30 33	200 200 200 200 200 200 200 200 200 200	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 100 100 100 100 100 100 100 100 100
	LANG PACKET AND TO A TO	LESS Tress 230 2 2 3 3 4 0 0 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1	### ##################################	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		707as. 002 3 3 1.7 0 105 106 106 106 106 106 106 106 106	1000 PACTOR BASE  ACTOR 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-	30 30 30 33 30 33	200 200 200 200 200 201 201 202 202 203 203 203 203 203 204 204 204 204 204 204 204 204 204 204	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 100 200 200 200 200 200 200 200 200
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	LANG PACKET AND TO A TO	LESS Tress 230 2 2 3 3 4 0 0 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1	######################################	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		707as.  002  3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1000 PACTOR BASE  ACTOR 2-0 TO 2-0 2-0 TO 2-0 1-0 TO 2-	30 30 30 33 30 33	250 70 200 200 200 201 201 201 201 201 201 20	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 100 200 200 200 200 200 110 110 110
	AND COLUMN COLUM	1513 Trees 1500 1500 1500 1500 1500 1500 1500 150	70010101 100 100 100 100 100 100 100 100	100 AMARIN 100 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		707as.  002  3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	**************************************	2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	250 70 200 200 200 201 201 201 201 201 201 20	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 100 200 200 200 200 200 110 110 110
	AND COLUMN COLUM	1513 Trees 1500 1500 1500 1500 1500 1500 1500 150	200 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		70744 402 17 17 19 19 19 19 19 19 19 19 19 19	**************************************	2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	250 70 200 200 200 201 201 201 201 201 201 20	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 pp
dien er the time that the time time time time time time time tim	AND COLUMN COLUM	1513 Trees 1500 1500 1500 1500 1500 1500 1500 150	200 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		70744 402 17 17 19 19 19 19 19 19 19 19 19 19	**************************************	2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	250 70 200 200 200 201 201 201 201 201 201 20	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 pp
नेत नेतर व्याप्त अन्तर अन्तर अन्तर व्याप्त व्याप्त व्याप्त व्याप्त व्याप्त	AND COLUMN COLUM	1513 Trees 1500 1500 1500 1500 1500 1500 1500 150	200 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		70744 402 3 1 1 1 10 10 10 10 10 10 10 1	**************************************	2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	250 70 200 200 200 201 201 201 201 201 201 20	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 pp
	AND COLUMN COLUM	1513 Trees 1500 1500 1500 1500 1500 1500 1500 150	7224.7 72	200 200 200 200 200 200 200 200 200 200	200 - VE 200 100 100 100 10 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	100 10 10 300 300 1 1 1 1 1 1 1 1 1 1 1		70744. 002 13 14 10 10 10 10 10 10 10 10 10 10	**************************************	Section Sectio	250 70 200 200 200 200 200 200 200 200 200	100 100 100 100 100 100 100 100 100 100	200 - 42 200 200 200 200 27 20 27 20 27 20 27 20 20 20 27	100 100 100 100 100 100 100 100 100 100		100 000 000 000 000 000 000 000 000 000

Table 71

Equivalent Maneuver Load Factors by Equivalent Airspeed and Altitude — Mission IV (Aerial Delivery)

		AL 11100		• 16 ;	FETT			-					*** ***		
		EGUIYALI			# (##BTS)					********	1 - 2,000 MT ALASI	: 10 7 M10 - 4	,000 FEET 8 (KMBTS)		
LGAO FACTON MZE	LESS THAN 190	150 70 206	200 70 250	250 10 300	100 18 350	350 440 46078	TOTAL	racton Pacton	1.855 /HAD 196	196 70 200	200 10 290	230 10 300	100 10 210	363 440 4604E	187AL MEE
ABOVE 2.6 2.4 TO 2.0 2.0 TO 2.0 1.0 TO 2.0 1.5 TO 1.0 1.4 TO 1.5 1.7 TO 1.5 1.7 TO 1.5		1	2				1 3 37	ACCVE 2.6 2.4 TO 2.0 2.0 TO 2.4 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0 1.9 TO 1.4 1.2 TO 1.3			;		•••		
1.5 70 1.4	Ľ	22 20 70	21 43	1			91	2.0 TE 2.4 1.0 TO 2.0 1.0 TO 1.0 1.5 TO 1.0		119	22				11
1.3 (2 1.4	19 96 130 650 1664	207 1000 1000	5506 003 554	26 60 176			203 704 2679 5676	1.3 10 1.4 1.2 10 1.3 1.1 10 1.2	3 9 30 70, 267 95'	134 422 1444 2279	432 1100	12			76 76 260 736 2016 6137
	1451	1143	1905	125			4114	1.1 10 1.2		1002	2055		1		4137 7740
0.1 TO 0.0 0.1 TO 0.7	969 170 27	/20 104	993	1)			2699 606 170	6.6 TO 6.6 6.7 TO 6.6 6.6 TO C.7	1314 630 112	2763	3410 2552 445	142 67 1:	•		7740 9842 6140 334 12
0.0 12 0.4 0.2 10 0.4 0. 10 0.2	**	45	103	•			370	0.4 TO 0.4 0.2 TO 0.4 0. TO 0.2	13	**	250 19	1			12
0.7 TO 0.0 0.5 TO 0.0 0.5 TO 0.0 0.2 TO 0.0 0. TO 0.2 00100 0. TIME (Min)	1416.3	1495.0	3040.5 10007.5	113.9			9434.1 16127.6	6.6 10 6.9 6.7 16 6.4 6.6 10 6.6 6.2 10 6.2 6.10 6.2 011M2 (816) mont sites	419.5	2991.7 7613.0	3067.9 11432.9	109-3	6.1 6.7		0900.0 22005.4
	110010	4L711U06			,400 7661		10129.0		2176.2		- 10.02C	962.5 78 15,	cee frit		********
1.040		4001AVE	MT AJESI		6 (RNOTS)		1014			SENTANT		-			
LOAD FACTOR N/E	LESS 1844 190	190 10 240	200 18	230 76 300	300 18 330	190 440 400 VE	ett	t bad Factor Nee	LESS PHAR 190	190 70 200	200 70 290	250 70 300	300 70 350	370 440 440	1014. NEE
463VE 2.6 2.4 TG 2.6	130	240	250	. 300	120	ACCUTE			190	300	290	300	350	ACCIVE	
A6300 2.0 2.4 TG 2.6 2.6 TG 2.4 1.6 TG 1.6 1.5 TG 1.6 1.5 TG 1.5 1.3 TG 1.5 1.3 TG 1.5								2.0 10 2.0 2.0 10 2.4 1.0 10 2.0 1.0 19 1.0 1.5 10 1.4 1.5 10 1.5 1.1 10 1.5 1.1 10 1.5							
1.5 10 1.6		1					}	1.0 10 1.4			à				
1.3 10 1.4	ŧ	14 23	:	•			1 14 42 144	1.3 TO 1.4 1.2 TO 1.3 1.1 TO 1.2	į.	1	3				į
1.1 70 1.2	1 2	393	294 241	123 114					,	100	27 120				. 19
0.7 15 0.0 0.6 10 0.7	2	iei	70	89			750 206 14	0.7 TO 0.0	•	140	91 91 95	7			273 273
6.4 10 6.4 6.2 10 6.4 6. 10 6.2							•	0.7 10 0.0 0.0 10 C.7 0.4 20 0.4 0.2 10 0.4							
0.8 10 0.9 0.7 18 0.2 0.6 10 0.7 0.0 10 0.6 0.2 10 0.6 0. 70 0.2 00.10 0. 1100 (Man) happ diles	9.9	100-2	204.6	14.3 201,5			004.3 3610.3	e. to e.2 delen c. time (min) newf milit	3.3	350.0 1320.2	336, 3 1426, 0	15.2			796.3 2040.5
							2000		7.5	1320.2	1770-1	74.0			Education 2
		M.TETURE	- 15,000 1888A TH	•	COO POST					111144	- 2 <b>0,00</b> 0 Mensa tu	` ` ` `	000 /041 (000/5)		
PACTER	1.655					100	10744	1,040 FACTOR MIT	1615					100	10744
440	194	190	100	100	10 10 100	***			100	100 10 136	350 30 30	10	100 10 100	4000	-
2.0 10 2.0 2.0 10 2.0 2.0 10 2.0 1.0 10 2.0 1.0 10 2.0 1.1 10 1.2 1.0 10 1.3 1.0 10 1.3 1.0 10 1.3								2,4 10 2.1 2,0 10 2.4 1.0 10 2.0 1.0 10 2.0 1.5 13 2.0 1.4 10 1.1 1.3 10 1.3 1.4 10 1.3							
		1						1.0 10 2.0							
1,4 101 1,3 90 1,4		;						1.4 10 1.1 1.3 to 1.4 1.4 to 1.7							
		i	•				,								
			i					6.4 70 6.4 6.7 70 6.4			į				ļ.
				•	•		.*	0.1 10 0.4 0.4 10 0.1 0.4 10 0.4 0.2 10 0.4 0. 10 0.2			•				•
6.0 16 6.7 0.7 70 0.6 0.0 70 0.7 1.0 10 0.7 0.1 70 0.4 0.1 70 0.2 0.1 70 0.2 0.1 10 0.2 0.1 10 0.1	i.i	in.t	111-0	9.6			140.0	0.6 10 0.0 0.7 10 0.0 0.6 96 0.7 0.0 10 0.6 0.2 10 0.6 0.10 0.2 0.100 0.1 0.000 001.61		11.4	84.1				-
MAN MILES	냈	99.1	946.9	**			146.8 635.4	west mili		11.5	100.5				10.1
		ATITOR	- 10,000 - 10,000	· 96 - 969	906 F0ET										
A POS	100	130	100	12	3		1974s				•				
				-	,	-									
	100														
12 12 12 12 12 12 12 12 12 12 12 12 12 1															
2400 840 144 10 840 145 10 840 145 10 840 145 10 145 145 10 145 145 10 145 145 10 145 145 10 145		•						e e							
•	•		•				•								
•							;								
•		122-1					: !								

Table 72
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 85,000 to 95,000 lb.

						ht R	ange:	85,900 to	95,						
		ALT [ TUDE EQUIYALE!			,600 PEEV E IKNOTS)					ALTITUME EQUIVALER			4, <b>000 PE</b> ET VE (KNDTS)		
LOAD FACTOR OELYA ME	LESS THAN 150	156 10 200	200 70 250	290 TO 360	390 TO 356	390 AND LEGYE	TOTAL DELIA ME	LGAD FACTOR DELTA NE	LESS THAN 190	150 10 200	200 78 230	250 70 300	300 TQ 350	390 AMO AMOVI	TOTAL DELTA ME
1.4 TO 1.8 1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.0 0.5 TO 0.8 0.5 TO 0.5 0.4 TO 0.5		3	234	300	<b>330</b>		•	AGOVE 1.6 1.4 YO 1.8 1.0 TO 1.4 0.8 TO 1.6 0.5 TO 0.6 0.5 TO 0.5 0.4 TO 0.5	120	; ·	15		<i>5</i> 74		•
0.2 TO 0.3 0.1 TO 0.2	26 154	5 <b>7</b>	21				252 252	6.2 TO 6.3 6.1 TO 6.2	10	102	30 136				26 98 987
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.8 TO -0.8 -1.0 TO -0.8 BELOW -1.0	131 15 2 1	51 0 1	15				197 20 3 1	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.6 SELON -1.0	*	144	134 31 12				340 36 21
TIME (MIN) NAUT PILES	55.7 114.2	13.2 34.4	3.3	0.1 0.5			72.4 162.6	TIME (MIN) NAUT MILES	102.0	79.5 235.5	41.4				199,1 947.2
		ALTITUME -	- 5, <b>00</b> 0	10 1C.	900 FEET					ALTITUME -	10,000		COO PEET		
L040		Edniavrea			********		TOTAL	LOAD FACTOR	LESS	150			E (RMOTS)	100	1014
FACTOR DEL FA NA	LESS TIMM 159	156 10 200	200 07 005	29e 10 300	200 TO .750	350 MD MOVE	BELTA ME	USLTA ME	Pode 150	10	200 10 250	250 70 200	303 10 350	100A6 100A6	DELTA NE
ABOVE 1.8 1.4 TO 1.0 1.6 TO 1.4 0.6 TO 1.0 0.4 TO 0.0 0.5 TG 0.6 0.4 TO 0.5 0.3 TO 0.4	157	1	•••				ı	### 10 1.8 1.4 TO 1.8 1.3 TO 1.4 7.6 TO 1.9 0.5 TO 0.8 0.5 TO 0.5 0.5 TO 0.5			1	2			1
0.2 TO 0.3 0.1 TO 0.2		24	52				76	0.2 10 0.3 0.1 10 0.2			12	7			30
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.6 TO -0.6 -1.6 TO -0.6 00100 -1.0		14	36				50	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.8			41 7 7 2 1	1			***
MONT WITER		35.0 12 <b>9.</b> 6	91.2 344.7	9, 7 66, 3			136.7 541.6	TIME (MIN) MAUT MILES		3.3 12.7	42.8 296.4	35.7			73.0 330.7
		ALTITURE -			OO FEET					ALTITUDE -	20.000 ABRS#T		OGO FEET		
LOAD		COR LANTENI	- Alaspe	to - 44	(EMBTS)		TOTAL	LOAD		CAN LAW COM!	######################################				101at
FACTOR	1655	190	200	240	300	244		FACTOR	LESS	150	200	250	344	140	
FACTOR OFLIA B2  AGGVE 1.8 1.4 75 1.9 1.0 70 1.4 0.8 70 1.9 0.6 70 0.6 0.5 10 0.6 0.4 70 5.5 0.3 70 0.6 0.7 70 0.7 0.1 10 0.2	LESS THAN 190	150 TB 200	200 70 200	250 19 306	10 350	310 Aug AGGYE	OCLTA NI	PACTOR DELTA MA  AGOVE 1.8 1.4 TO 1.0 1.4 TO 1.0 0.6 TO 0.0 0.5 TO 0.0 0.5 TO 0.5 0.3 TO 0.5 0.3 TO 0.5 0.1 TO 0.5	L655 Mida 150	200 100 150	700 10 250 4 103	200 100 200	70 70 250	MO ABOYE	GELTA W
PELTA BZ  AMOVE 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.4 15 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.	LESS THAN 190	150 TB 200		250 T0 300	300 TD 350	AND AND AND AND AND T	DELTA NE	FACTOR  BELTA ME  ABBUT 1.6  1.4 10 1.7  1.6 10 1.0  0.8 10 1.0  0.8 10 1.0  0.5 10 0.0  0.5 10 0.0  0.1 10 0.0  0.1 10 0.2  -0.2 10 0.0  -0.1 10 0.2  -0.4 10 -0.3  -0.4 10 -0.3  -0.6 10 -0.4  -0.6 10 -0.6  -0.6 10 -0.6	LESS Imin 150	70 200	•	700 300	300 10 350	MO AND	•
06.14 az  AMOVE 1.8 1.4 75 1.8 1.4 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.6 75 1.8 1.7 70 1.8 1.7 70 1.8 1.7 70 1.8 1.7 70 1.8 1.8 70 1.8 1.	LESS THAN 150	70 PP	<b>5</b>	250 100 200 1.5 20.0	300 TO 350	310 AND ALOYE	DELTA NE	PACTOR PACTOR  BELTA ME  1-0 10 1-0 1-0 1-0 1-0 1-0 1-0 10 1-0 0-0 10 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0	LESS India 150	2 1 101.7	4 103	700 300	300 10 350	150 and acove	107 73
### OF LTA BU  ABOVE 1.8 1.4 15 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1	LESS THAM 150	700 200 5.0 21.4	5 5 2	9.5		AND ALONE	S 5 2 2 53.3	FACTOR  BELTA ME  ABBUT 1.6  1.4 10 1.7  1.6 10 1.0  1.6 10 1.0  0.8 10 1.0  0.5 10 0.0  0.5 10 0.0  0.5 10 0.0  0.1 10 0.0  0.1 10 0.2  0.1 10 0.2  0.1 10 0.0  1.0	LESS India 150	2 1	4 103 72 3 1	2		150 and acove	107 73 1
OFLIA BZ  AMOVE 1.8 1.4 75 1.0 1.0 75 1.4 0.8 70 1.0 0.6 70 0.6 0.5 10 0.6 0.5 10 0.5 0.7 10 0.7 0.	LESS THAN 190	700 200 5.0 21.4	5 5 2 42.0 400.0	1, 5 29, 0 10 30,		310 AND ALOVE	9 9 2 93.3 201.1	PACTOR PACTOR DELTA ME ABOVE 1.6 1.4 10 1.0 1.6 10 1.4 0.8 10 1.4 0.6 10 1.6 0.5 10 0.5 0.5 10 0.5 0.2 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.3 10 0.5 0.5 10 0.5	LESS Incon 150	2 1	4 103 72 3 1	2 2 23-4 10 Are		166 and acove	252.0 1100.0
### OF LTA BU  ABOVE 1.8 1.4 15 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.8 1	THAN 150	5.0 21.0 ALFITUDE CONTRACEN	5 5 2 42.8 400.9 29.000 7 AIRSPE	5, 5 29. 0 78 30, 1	000 FEET		S 5 2 2 53.3	FACTOR  BELTA ME  ABBUT 1.6  1.4 10 1.7  1.6 10 1.0  1.6 10 1.0  0.8 10 1.0  0.5 10 0.0  0.5 10 0.0  0.5 10 0.0  0.1 10 0.0  0.1 10 0.2  0.1 10 0.2  0.1 10 0.0  1.0	LESS	2 1 101.7 030.4 HITTUDE - EQUIVALENT 150	4 103 72 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 4 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UF PEET (18075) 300 TO	310	107 73 1
OFLIA BE  AMOVE 1.8 1.4 15 1.0 1.4 15 1.0 1.4 15 1.0 1.4 15 1.0 1.5 10 1.4 0.8 10 1.0 0.8 10 0.5 0.5 10 0.5 0.5 10 0.5 0.5 10 0.5 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.7 10 0.7 0.8 10 0.7 0.8 10 0.8 1.	THAN 190	5.0 21.0 4.711005	5 5 2 42.8 400.9 - 29.000	1, 5 29, 0 10 30,	000 FEET	310 ABD- ASOVE	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	FACTOR  BELTA ME  ABOVE 1.6 1.4 TO 1.0 1.4 TO 1.0 1.5 TO 1.0 0.8 TO 1.0 0.8 TO 1.0 0.5 TO 0.5 0.2 TO 0.5 0.1 TO 0.7 0.4 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.6 TO 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7		2 1 101.7 030.4 HITTUDE - FOLIVALENT	47.1 199-4 47.1 199-4	2 2 23.0 TO ARRIVED - VE	WF PEET (1480TS)		252.0 1100.0
OFLIA BY  ABOVE 1.8 1.4 75 1.9 1.4 75 1.9 1.4 75 1.9 1.5 75 1.4 0.8 70 1.5 0.8 70 1.5 0.5 70 0.5 0.5 70 0.5 0.5 70 0.5 0.7 70 0.5 0.7 70 0.7 0.7 70 0.7 0.8 70 0.7 0.8 70 0.7 0.8 70 0.8 0.	THAN 150	5.0 21.4 ALTITUDE CONTRACENT 150 10 200	5 5 2 2 42.0 42.0 42.0 7 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0	5, 5 29. 0 78 30, 1	000 FEET		9 5 5 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PACTON  PACTON  ABOVE 1.6 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 10	LESS	2 1 101.7 030.4 HITTUDE - EQUIVALENT 150	4 103 72 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 4 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UF PEET (18075) 300 TO	310	252.0 1100.0

Table 73
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 95,000 to 105,000 lb

		ALTETUDE	- (	10 2	.000 FEET					ALT STU	# - 5.CO	c TO	5,000 PEET		
		SOUTHALE	NT AIRSI	7860 - W	E (6MDTS)					EGNIANT	ENT ATRS	PECO -	WE IRMOTS:		
LOAD FACTOR		190	200	290	300	390	TOTAL	L GAD FACTOR	LESS	150	200	250	300	330	
DELTA ME	194	196 70 200	200 70 290	70 200	306 75 350	APP) APOVE	BOLTA ME	OGLTA ME	THÂN 154	100	200 TO 250	250 70 300	70 350	(NA 14084	DELTA MZ
A60VE 1.8 1.4 19 1.4 1.0 10 1.4 6.6 10 0.0 6.6 10 0.0 6.4 10 0.5 7.3 10 6.4 6.2 10 0.2	3 23 226	1 7	<b>•</b>				4 34 279	ASOVE 3.2 1.4 TO 1.4 1.6 TO 1.4 6.8 TO 1.0 6.5 TO 6.6 0.4 TO 6.5 6.3 TO 6.4 6.2 TO 6.2	1 14 150		1 2 6	٨			1 7 43 309
-6.2 70 -6.1	199	47					292	-0.2 TO -0.1	130	173	01	2			386
-0.3 78 -4.2 -0.4 70 -0.3 -0.6 10 -0.4 -0.8 78 -0.6	16	ì	•				30	-0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.8 -1.8 TO -0.8	15	17	•	•			1
OSLOW -1.0 TIME (MIN) WANT MILES	150.5 332.7	53.9 143.1	2.8 7.2				215.2 405.1	TIME (MIN)	198.6	211.4 601.0	76.1 271.3	1.5 6.5			489.7 1359.9
		A4 T 9 T448	- 5.00		*** ***					A	- 10-08C				
		ALTITUDE			7957 (00, 4277441) #					ALT L TUBE			,000 FEET E (KADTS)		
LOAD FACTOR	1622	EGUTYALB 156				144	TOTAL	LOAD FACTOR	LESS	EGNIANT				350	TOTAL
OGLTA ME	1000 150	27 200	200 70 290	250 10 300	300 70 350	350 440 4807E	BELTA ME	OGLTA RE	IMAN VS6	150 10 200	200 10 296	250 10 309	300 10 350	AND	DELTA NE
ABOVE 1.0 1.4 TO 1.0 1.6 TO 1.0 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.5 TO 0.0 0.5 TO 0.5 0.4 YO 0.5 0.3 TO 0.5 0.2 TO 0.3 0.1 TO 0.2	1	1	1 2 112	.1	<b>73-4</b>		1 2 29 102	ABSVE 1.8 1.4 TO 1.8 1.0 TO 1.0 0.8 TO 1.0 0.0 TO 0.8 0.4 TO 0.5 0.1 TO 0.4 0.2 TO 0.2 0.1 TO 0.2	**************************************	1 1 1		,	,,,		1 14
	11	90	104	21			182	-0.2 TO -0.1		10	62	•			80
-0.2 10 -0.2 -0.3 10 -0.2 -0.4 10 -0.4 -0.6 10 -0.4 -1.0 10 -0.5 51.8u -1.0 1181 (nja) 1607 061.65	1	•	11				10 2 1	-0.3 15 -0.2 -0.4 TR -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.6 RELOW -1.0		3. N.	3	2	···		,
time todal	1.4 3.5	91.7 305.2	229.1 939.9	20.4 77.2			1345-4	RELOW -1.0 TRUE (NIM! NAME WILES		131.3	254.7 1172.9	30. 9 159. 5			349.7 1443.7
•		ALTITUES :	- 15,000	TO 25.0	000 FEET					ALT I TUBE	- 20,000	10 25,	<b>000</b> FEET		
·		ALTITUES 29019ALGR			144073)					ALTITUDE FOUTVALE		-			
·	1888	Santavres	T ALKSPI	HD - W	1440731	350	10744	LOAD FACTOR	LESS	FOUTVALE	HT AIRSPI	250 - VI	(FNGTS)	350	TOTAL
LAAO Factor Factor						350 AND AGGVE	TOTAL BELTA ME	LOAB FACTOR OTLTA NA	LESS 7H AM 150	FOUTVALE	NT AIRS	ee - ve		350 440 AQQVE	DEFLY #5
·	1888	Santavres	T ALKSPI	HD - W	1440731	350 AND AGOVE		FACTOR OTLTA MA ABOVE 1.0 1.4 TO ',0 1.0 TO 1.0 0.0 TO 6.0 0.5 TO 6.0 0.6 TO 6.0 0.6 TO 6.0 0.7 TO 6.0 0.7 TO 6.0	794 AM	130 10	860 10	250 - VI	(FNGTS)	350 AND AGOVE	
LGAO PACTEM OBATA ME AGGUE 1.0 1.4 TO 1.0 7.6 TO 1.0 7.6 TO 1.0 7.6 TO 0.0 7.7 TO 9.0 7.7 TO 9.0 7.1 TO 9.0 7.1 TO 9.0 7.1 TO 9.0 7.1 TO 9.0 7.1 TO 9.0	1888	2001100F291	7 A)RSP( 300 70 250 1 1 1 10 70	290 TD 300 300	1440731	340 AND ADDVE	actro ne	FACTSM OTT TA MM  ABOUT 1.0 1.4 TO 1.0 1.4 TO 1.0 0.6 TO 0.8 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.7 0.7 TO 0.7	794 AM	EQUIVALE: 150 70 200	NT AIRS PE 50 70 256 1 1 9 9 1416 1181	250 - VI	(FNGTS)	350 AND AGOVE	34 35 255 256 256 257
LGAD PACTOR SELTA MI AGENT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1888	2941VM.687 179 250 240 21 3	7 ALREM 70 200 200 200 200 200 200 200 200 200 20	290 TO 300	1440731	300 AND AGOVE	1 1 14 10 99 6	FACTSM OTT TA ME  ABOVE 1.8 1.4 TO 1.9 1.9 TO 1.0 0.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.0 T	794 AM	130 10 200 17 17 17 170 174 13	17 AIRCON 200 10 200 200 1 1 200 1410 1101 204 13	250 10 10	(FNGTS)	350 AND ABOVE	1 1 9 20 251 1358 1395 217 20 14
LGAO PACTER BEATA RE AGOUT 1.0 1.4 TO 1.0 2.5 TO 1.4 0.0 TO 1.0 0.5 TO 0.0 0.7 TO 0.0 0.0 0.0 TO 0.	1888	290.9	7 ALRESO 70 250 1 1 1 20 70 40 2	290 TD 300 300	1440731	310 A10 A00VE	I I I I I I I I I I I I I I I I I I I	FACTSM 67 TA MA ABOVE 1.8 1.4 TR 1.8 1.4 TR 1.8 1.4 TR 1.4	794 AM	17 200 17 17 17 17 176	11 AIRSP( 250 10 255 1 0 30 255 1 1 0 30 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	250 - VI	(FNGTS)	350 AND AGGVE	1 9 34 255
1000 PACTON  PACTON  DELTA MI  AGENTA MI  AGENTA MI  1.0 10 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1888	290.9	300 100 200 1 1 1 1 1 1 1 1 20 3 1 1 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 - VE 250 TO 300 300 300 11 14 1	160mFE) 360 70 360	340 A00 A00VE	1 1 14 14 110 99 6	FACTSM FACTSM STATE MAN ABOVE 1.8 1.4 10 '.9 1.4 11 '.9 11 '.9 1.4 11 '.9 1.4 11 '.9 1.4 11 '.9 1.4 11 '.9 1.4 11 '.9 1.4	794 AM	130 10 200 200 17 17 170 174 13	10 AIRLON	250 - VI 250 10 300	(RNOTS) 300 78 300	350 AND AGGVE	1 9 144 155 154 164 164 164 164 164 164 164 164 164 16
LGAO PACTEM BRATA MX AGGNT 1.0 1.4 TO 1.0 1.4 TO 1.0 1.4 TO 1.0 1.5 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.3 TO 0.3 0.	1888	290.0 190 200 200 21 25 21 3	7 ALREDO 200 10 250 1 1 10 70 40 2 1 463-3 1994-0 - 25,000	290 - VE 290 - TB 300 - TB 300 - TB 300 - TB 312 - TB 13.1 - TL.7 - TB 30.1	160mFE) 360 70 360	200 AND ANDVE	1 10 10 10 00 6 1	FACTURE   1-8   1-4   10   1-8   1-4   10   1-8   1-6	794 API	130 10 200 200 17 17 170 174 13	17 AIRCON 10 10 10 10 10 10 10 10 10 10 10 10 10 1	250 - V6 70 300 300 3.1 10.6	(RNOTS) 300 78 300	350 AND ASCOVE	1 9 30 255 1566 12517 7
LGAO PACTER  DELTA RE  AGOUT 1.0 1.4 TO 1.0 1.4 TO 1.0 1.5 TO 1.0 0.0 TO 0.0 0.3 TO 0.3 0.4 TO 0.3 0.4 TO 0.3 0.5 TO 0.3 0.5 TO 0.5	LESS PHAN 190	200.9 200.9 200.9 21 200.9 21 200.9 629.0 ALTITUDE	7 ALREDO 10 10 10 1 1 10 70 40 2 1 100 100 2 1	200 - VE 200 100 300 300 3 2 14 1 1 71.7 10 30,1 (8D - VE	1600131 360 70 350 250 (KW013)		1 1 14 14 110 99 6	FACTOR  PRIA MA  ABOVE 1.8 1.4 TO 1.9 1.4 TO 1.4 0.8 TO 1.4 0.8 TO 0.8 0.5 TO 0.8 0.5 TO 0.8 0.5 TO 0.3 0.5 TO	TH AM 150	190 200 170 200 170 200 170 170 170 170 170 170 170 170 170 1	17 AIRCON 70 256 10 256	250 70 300 300 3.1 10.6 70 APOI 10 - VE	(RMSTS)   100	AND ABOVE	1 9 144 155 154 164 164 164 164 164 164 164 164 164 16
LGAD PACTER DELTA RE  AGOUT 1.0 1.4 TO 1.0 1.4 TO 1.0 1.5 TO 1.0 0.0 TO 0.0 0.7 TO 0.7 0	155 150	200.7 200.7 200.7 21 200.7 21 200.7	7 ALREDO 200 10 250 1 1 10 70 40 2 1 463-3 1994-0 - 25,000	290 - VE 290 - TB 300 - TB 300 - TB 300 - TB 312 - TB 13.1 - TL.7 - TB 30.1	COS PERT		1 10 10 10 10 10 10 10 10 10 10 10 10 10	FACTOR  PRITA MA  ABOVE 1.8 1.4 TO 1.9 1.4 TO 1.9 1.8 TO 1.4 0.6 TO 1.8 0.5 TO 0.8 0.5 TO 0.8 0.5 TO 0.8 0.5 TO 0.8 0.7 TO 0.8 0.7 TO 0.8 0.7 TO 0.8 0.8 T	194 AM 150	130 10 200 17 17 17 17 17 17 13 1	11 AIRCON 10 236	250 TO 100 100 100 100 100 100 100 100 100 10	100 100 100 100 100 100 100 100 100 100	AND	1 9 340 255 1546 1395 217 25 16 15 12117 7
LGAO PACTEM  BRATA MX  AGONE 1.0 1.4 TO 1.0 2.4 TO 1.0 2.5 TO 2.0	LESS PHAN 190	200.9 200.9 200.9 21 200.9 21 200.9 629.0 ALTITUDE	7 ALREDO 10 10 10 1 1 10 70 40 2 1 100 100 2 1	200 - VE 200 100 300 300 3 2 14 1 1 71.7 10 30,1 (8D - VE	1600131 360 70 350 250 (KW013)		1 10 10 10 10 10 10 10 10 10 10 10 10 10	FACTOR  PRIA MA  ABOVE 1.8 1.4 TO 1.9 1.4 TO 1.4 0.8 TO 1.4 0.8 TO 0.8 0.5 TO 0.8 0.5 TO 0.8 0.5 TO 0.3 0.5 TO	TH AM 150	190 200 170 200 170 200 170 170 170 170 170 170 170 170 170 1	17 AIRCON 70 256 10 256	250 70 300 300 3.1 10.6 70 APOI 10 - VE	(RMSTS)   100	AND ABOVE	1 9 340 255 1546 1395 217 25 16 15 12117 7
LOAD PACTOR BOSTA ME  ABOUT 1.0 1.0 10 1.0 2.0 10 1.0 2.0 10 1.0 2.0 10 1.0 2.0 10 2.0 2.1 10 2.0 2	LESS THIS 190 LESS THIS 180 180	200.0 200.0 200.0 210 210 210 210 210 210 210 210 210 21	7 ALREADY 200 70 250 1 1 1 50 70 40 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200 - VE 200 100 300 300 3 2 14 1 1 71.7 10 30,1 (8D - VE	1600131 360 70 350 250 (KW013)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTSM 67 TA MA ABOVE 1.8 1.4 TO 1.8 1.4 TO 1.9 1.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.8 0.5 TO 0.3 0.5 TO 0.3 0.1 TO 0.3 0.3 TO	TH AM 150	130 100 200 170 200 171 170 174 13 1 1442.5 6593.6 4113140E EQUIVALEN 15c 70 206	17 AIRLOF 10 296	250 70 300 300 3.1 10.6 70 APOI 10 - VE	(RMSTS)   100	AND ABOVE	25 1984 1984 1984 1984 1984 1984 1984 1984
LGAD PACTOR  BEATA ME  AGENTA ME  AGENTA ME  Lo To 1.0  Lo To 1.0  Lo To 0.0  C.7 TO 0.0	LESS THAN 190	290.0 290.0 210.0 210.0 210.0 210.0 4111000 4011044641 200	7 ALREADY 200 TO	200 - VE 200 100 300 300 3 2 14 1 1 71.7 10 30,1 (8D - VE	1600131 360 70 350 250 (KW013)		1 14 14 14 14 14 14 14 14 14 14 14 14 14	FACTSM PACTSM OTTA MA MADUE 1.4 TO 1.	LESI THÂN 150	130 100 200 170 200 171 170 174 133 1 1442.5 6593.6 4171700E 701741EH 15c 701741EH 200	17 AIRS PRI 200 100 100 100 100 100 100 100 100 100	250 70 300 300 3.1 10.6 70 APOI 10 - VE	(RMSTS)   100	AND ABOVE	25 1564 1395 1564 1395 10 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10
LGAD PACTEM DEATA ME AGONE 1.0 1.4 TO 1.0 1.5 TO 1.0 1.	LESS THAN 190	290.9 259 21 3 3 200.9 21 25 21 3 3 200.9 21 200 200 21 200 200	7 ALREADY 200 TO 250 TO	200 - VE 200 100 300 300 3 2 14 1 1 71.7 10 30,1 (8D - VE	1600131 360 70 350 250 (KW013)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTSM 9TCTA MM ABOVE 1.8 1.4 T0 1.4 1.0 T0	TH AM 150	130 100 200 170 200 171 170 174 13 1 1442.5 6593.6 4113140E EQUIVALEN 15c 70 206	11 AIRLOF 10 296	250 70 300 300 3.1 10.6 70 APOI 10 - VE	(RMSTS)   100	AND ABOVE	25 1984 1984 1984 1984 1984 1984 1984 1984

Table 74 Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 105,000 to 115,000 lb.

				11055		Rut 1	nange.	105,000	10 1	15,0					
		PATITUE	-		000 FEET (KMBTS)						E - 2,000		000 FEET		
LGAD FACTOR DELTA NE	LESS THAN 150	190 190	200 10 290	250 10 200	300 70 300	350 AND ADD/0	TOTAL DELTA NE	LOAD FACTOR DELTA ME	LESS THÂN 190	190 190 10	200 10	230 230 10 300	300	350 A40 A00vE	TOTAL DELTA ME
ABOVE 1.0 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.6 TO 0.0 0.5 TO 0.6	156	200	294	,	336			ADDVE 1.0 1.4 TO 1.0 1.0 TO 1.4 0.6 TO 1.0 0.5 70 0.0		200	290	300	350	ABBYE	
6.4 TG 6.5 6.3 TG 6.4 6.2 TG 6.3 6.3 TG 6.2	1 35 398	1 20 131	24	*			1 55 560	0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2	3 32 234	2 4 10 320	1 11 123	3 2 1	2		5 12 44 701
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.2 TO -0.6 -2.0 TO -0.8	307 26 2	135 10	13	•			530 36 2	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.8	210 17 4	276 20 3	102	•			46 9 1
MANT MITES MANT MITES	495.3 1075.4	246.8 643.3 ALTITU	23.3 79.8 DE - 5,00	2.3 7.4 8 TO 16,	,000 FEET		761.4 1606.0	TIME INSMI MANT MILES	309.4 732.2	567.0 1614.0 ALTITUGE	214.8 794.8 - 10,000	10.9 05.0 TO 15.0	2.2 11.6		1114.3 3237.7
LCAD		EGNIAN	LEMT AIRS	PEED - V	E (AMPTS)					-	MT AIRSPE	160 - VE	( <b>0.00</b> )		
FACTOR Delta ma	LESS fram 190	190 78 200	200 TO 250	250 10 300	300 10 350	390 440 4001	MELTA Y	FACTOR SELTA NO	LESS IMAN 190	190 70 200	205 10 250	250 10 360	300 70 350	370 AND ADDVE	DELTA MZ
ACCVE 1.8 1.4 TO 1.8 1.8 TO 1.4 6.8 TO 1.6 0.5 TO 0.6 0.5 TO 0.6		ı	ı	1 2			į	ABOVE 1.0 1.4 TO 1.0 1.0 TO 1.4 0.0 TO 0.0 0.5 TO 0.0							
6.4 TO 6.5 6.3 TO 6.4 6.2 TO 6.3 6.1 TO 6.2	1 3 10		7 51 369	•			16 85 967	0.4 TO 0.5 0.3 TO 0.4 6.2 TO 0.3 0.1 TO 0.2		1 4 36	2 11 00	1	2		1 17 192
-0.2 TO -C.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.4 -1.6 TO -0.6	14		291 30 2	38 3 3			477 54 8	-0.2 TO -0.1 -0.3 TB -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.6 TO -0.6		33 11 2	41 11 1	14			22 22 100
MANY MILES	34.8 70.7	1054.1 ALTITUD		93.9 443.2 70 20,0	8.8 48.7 100 FEET		957.0 3602.3	-1.0 TO -0.8 miles -1.0 Time (mim) Many miles	4.3		447.6 2022.1 E - 20,0ec		7.9 47.1 100 FEET		697.6 3006.3
L040		CONTACT			(EMBTS)		TOTAL	LOAD PACTER		EGULVAL					TOTAL
PACTOR DOLTA NA ADDVE 1.0	LESS THAN 196	150 70 200	200 70 294	296 70 300	300 70 350	350 410 460YR	OCLTA NI	PACTOR BELTA NO ABOVE 1.0	196 186	180 18	700 70 250	700 700	300 10 350	AND AND ADDVE	MELTA NE
1.6 TO 1.8 1.6 TO 1.4 . 0.6 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3		 1 1 11	l 4 39 300	10	,		; ; ;;	1.4 TO 1.0 1.0 TO 1.4 0.0 TO 1.0 0.6 TO 0.6 0.5 TO 0.5 0.4 TO 0.5 0.3 TO 0.3 0.2 TO 0.3	ı	2 17 2	1 1 7 81 872	1			1 4 24 140 1846
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.6 -1.0 19 -0.6		42	))6 (1)	,	•		340	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.6 TO -0.4 -1.0 TO -0.3	•	646 70 17	199 36 1	\$			1179
OCLUM -1.0 Ting (new) Most miles	4.1 13.1	44 T E T VOC	3216.0 10348.9 : - 29,600		4.9 36.9 100 FEET		2000.0 13200.0	MANT MILES	15:7 61:3	AL TETU	\$625.2 1960.1 1960.00		DVE FERT		11900.7
FACTOR	1411					350	10144	FACTOR	1888				1 (KMOTS) 300	350	10144
06114 M2 400VE 1.5	1655 1646 154	700 240	200 10 250	250 27 200 200	10 10 360	AND AND AND	<b>OELTA 44</b>	006.74.463	180 180	190 18 200	100 200	290 19 306	300 10 390	740 740 740 740	DELTA NO
1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.1 0.2 TO 0.1		4 4 99	10				7 10	1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.2 10 0.0	į	.19	_				
411 10 415		1000	100				1136	9-1 10 9-2		214 214	*				244
-0.2 f0 -4.1 -6.3 f0 -6.2 -6.4 f3 -6.3 -6.4 f8 -6.4 -6.9 f0 -6.4 -1.0 fc -6.6 001.00 -1.0		1004 93 17	1				100	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.6	i	1	19				30
OCLON -1.0 TIME (NIM) NAUT MILES	37.5 194.6	12343.0	1317-4	3.7 10.7			13702.4	MECO -1.0 TIME (MIN) WANT MILES	3.2 22.4	1090.0	111:1				1000.0

Table 75
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 115,000 to 125,000 lb.

i dao Factor	LESS	ALTITUE CONTRAI	LEWY AIRS	IPE00 - 1	7,000 FEET FE (KMDTS)	144	10744	LCAO FACTOR	LESS	EGVIVAL			1,090 FEET PE (XMDTS)	350	TOTAL
RELTA HE	1040 190	190 10 206	200 18 250	290 TO 368	300 10 358	350 A40 A05VE	DELTA AZ	DEL FA M2	7110M 190	70 200	200 10 250	10 300	300 10 350	AND	DELTA- MZ
ABOVE 1.8 1.4 10 1.2 1.0 10 1.4 0.6 10 1.8 0.5 10 0.8 0.5 10 0.5 0.3 10 0.4 0.2 10 0.2	; 31 100	15	i 5 45				30 304	A0392 1.8 1.4 T0 1.6 1.0 T0 1.6 0.0 T0 1.0 3.4 T0 6.6 0.4 T0 6.5 0.3 T0 0.4 0.2 T0 0.4	2 5 72	2 11 191	i • 57	2 6 13	1 1 3		8 32 274
-0.2 TO -0.1 -0.3 TO -0.2	146 15	13	20				362	-6.2 TO -0.1 -0.3 TO -0.2	53	102	49	•	•		214
-0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.8 -1.0 10 -0.8	1 2	. 1	ĩ				3 2	-0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.8	i	7	•	1			21 3 1
TIME (MIN) MAUT HELES	107.2 172.3		15.2 55.6	0.4 2.5			124.4 617.7	SELOW -1.0 TIME (MIM) MANT MILES	129.5 310.0	835-1 288-1	95.5 316.2	43.2	1.0		512.7 1916.2
		ALTITUDE	-		FEET					ALTITUME			C00 FEET		
LOAD FACTOR	LESS	198 Saniaari	147 AIRS/ 260	250		350	TOTAL	LGAO FACTOR	LESS	150	NT AIRSPE 200	ED - WE 250	(KNOTS) 300	350	TOTAL
DELTA NE	190	10	794 794	70 300	300 10 356	350 440 4007E	BELTA NE	DELTA ME	Telan 190	500 10	T0 250	70 300	10 350	AND	DELTA NZ
1.4 TO 1.8 1.6 TO 1.4 0.8 TO 1.0 0.6 TO 0.8 0.5 TO 0.8 0.4 TO 0.5		,	; ;	1	1		2 4 37	ABOVE 1.8 1.4 TO 1.9 1.8 TO 1.4 0.8 TO 1.6 0.4 TO 0.6 0.3 TO 0.4 0.3 TO 0.4 0.2 TO 0.3			1	•			1 7
0.1 70 0.2	3	45	173 146	12	•		233 232	6.1 TO 6.2		•	70 67	1 7 5			65 61
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.0 10 -0.0 0010h -1.0		*	27	,			72	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TG -0.3 -0.6 TG -0.4 -0.8 TG -0.6 -1.0 TG -0.6 0610W -1.0 TIME (NIN)			• • • • • • • • • • • • • • • • • • •	1			1
naut miles	16.7 45,4	244.0 850.3	232.5 972.5	33-1 150-5	3.3 17.4		545.6 2 <b>0</b> 43.4	TIME (MIM)	7.9 23.6	314.3 1162.0	212.7 967.6	72.3 370.7			609.2 2464.7
							•								
		ALT ITUES			coo FEET					ALTITUO	20,000		.coo fee1		
LGAD FACTOR	LESS	190	MT AIRSPI	840 - VE	(RNOTS)	394	TOTAL	LCAO		EOUTVAL	E - 20,000	ĒĒÒ - W	E (KNOTS)	350	TOTAL
PACTOR DELTA MI	LESS THAN 190	EGHIVALE		640 - AS		390) AND ABOVE		LOAD FACTOR DELTA M2	LESS THAM 150		20,000			350 AND ABOVE	TOTAL DELTA ME
FACTOR	LESS THAN 196	190	200 200 70	840 - VE	(RNOTS) 300 70	354\ 865 480vE	TOTAL	LOAD FACTOR	LESS TH <b>AN</b>	EQUIVALI 150 TQ	E - 20,000 ENT AIRS? 200 TO	ĒED - W 290 10	14MOTS) 340 10	AMA	
PACTOR  POLITA NA  ABOVE 1.8  1.0 10 1.0  1.0 10 1.0  0.0 10 1.0  0.0 10 0.0  0.0 10 0.0  0.0 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.1 10 0.0  0.0 10 0.0	LESS THAN 194	190 190 190 190	MT AIRSP( 200 TO 290	250 - VE 250 10 300	(RNOTS) 300 70	354\ 8MD 486VE	TOTAL BELTA ME  1 2 12 12 71	LOGG FACTOR SELTA NA ABOVE 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.1 TO 0.5 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO 0.3 0.5 TO 0.3 0.6 TO 0.3 0.7 TO 0.3 0.7 TO 0.3 0.7 TO 0.3 0.9 TO	LESS THAN 150	EQUIVALO	E - 20,000 ENT AIRSP 200 TO 290	214 19 340	14MOTS) 340 10	AMA	1 4 5 10 170
PACTOR POLITA NZ  ABOVE 1.8 1.0 10 1.0 0.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 1	194 194 20-1	136 10 10 200 4 9 63 97 7 2	NT Alaser 2000 100 2500 1 1 2 2 0 61 618 377 42 4 1 12012.2 - 2 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	250 - WE 250 170 190 100 4 7 13	1.2 7.2	354) and 466ve	107AL BELTA MI 1 2 12 12 71 408 407 40	LOAD FACTOR DELTA NA ABOVE 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.2 TO 0.3 0.1 TO 0.2 -0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4	LESS THAN 150	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	E - 20,00C ENT AIRSP 200 10 230 1 3 3 10 71 791 432 44 19 2 0 0 10 10 10 10 10 10 10 10	256 - W 256 26 26 300 300 1 1 194.7 1157.2	E (ANOTS) 340 10 350	ABGVE	06LTA M2 1 4 5 10 170 2057 2057 2057 2058
PACTOR POLITA NA  ABOVE 1.8 1.4 10 1.8 1.4 10 1.6 1.0 10 1.6 0.0 10 1.6 0.5 10 0.6 0.4 10 0.5 0.3 10 0.6 0.4 10 0.7 0.1 10 0.7 0.8 10 0.8 0.8 1	20-1 00-9	130 10 10 200 4 9 63 97 7 7 2 1054.4 ALTITUME EQUIVALES	200 TO 200 TO 290 1 2 2 3 4 41 42 42 4 4 1 10022.2 - 2 9,0002	250 - WE 250 170 260 171 260 171 160 171 160 171 100 171 171 170 170 170 170 170 17	300 70 70 350 350 3.2 7.2 600 PEET		107AL BELTA MZ	LCAD FACTOR PECTOR DECTA NA ABOVE 1.0 1.0 TO 1.0 1.0 TO 1.0 0.6 TO 0.0 0.5 TO 0.0 0.5 TO 0.0 0.5 TO 0.0 0.3 TO 0.0 0.3 TO 0.0 0.3 TO 0.0 0.1 TO 0.0 0.0 TO	LESS THAM 150	2000 -1 20112-0 ALISTUM	E - 20,00C ENT AIRSP 200 10 230 1 3 3 10 71 791 432 44 19 2 0 10 10 11 20 10 10 10 10 10 10 10 10 10 1	256 - W 296 290 300 1 1 194.7 1157.2 TO APG	E (MINOTS) 300 10 350 350	ABGVE	1 4 5 10 100 100 100 100 100 100 100 100 10
PACTOR  POLITA MA  ABOVE 1.8 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.0	196 196	EQUIVALE 100 200 200 200 200 200 200 200 200 200	NT Alaser 2000 100 2500 1 1 2 2 0 61 618 377 42 4 1 12012.2 - 2 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	250 - WE 250 170 190 100 4 7 13	1.2 7.2	230	10TAL BELTA NZ 2 2 2 2 7 1 400 407 6 1 1 400 5 1 1 400 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD FACTOR DELTA NE ABOVE 1.0 10-10 1.0	LESS THAM 150	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	E - 20,00C ENT AIRSP 200 10 230 1 3 3 10 71 791 432 44 19 2 0 0 10 10 10 10 10 10 10 10	256 - W 256 26 26 300 300 1 1 194.7 1157.2	E (ANOTS) 340 10 350	ABGVE	2007 2007 2007 2007 2007 2007 2009 2009
PACTOR  DOLLA MZ  ABOVE 1.8  1.0 10 1.0  1.0 10 1.0  0.0 10 1.0  0.0 10 1.0  0.0 10 0.0  0	20-1 00-9	136 70 200 200 200 200 200 200 200 200 200	200 TO 200 TO 290 1 2 2 3 4 41 42 42 4 4 1 10022.2 - 2 9,0002	250 - WE 250 170 260 171 260 171 160 171 160 171 100 171 171 170 170 170 170 170 17	1.2 7.2 7.2 (UMO73)	330	10TAL DELTA M2  1 2 12 71 400 407 40 6 1 1 70TAL DELTA M2	LOAD FACTOR DELTA NA ABOVE 1.0 1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.3 TO 0.0 0.3 TO 0.3 0.4 TO 0.3 0.3 TO 0.3 0.	LESS TMAM 150	150 170 200 1261 1361 1361 1371 173 173 173 173 173 174 171 171 171 171 171 171 171 171 171	E - 20,00C ENT AIRSP 200 10 230 1 3 3 10 71 791 432 44 19 2 0 349 44 10 10 10 10 10 10 10 10 10 10	256 - W 296 290 300 1 1 194.7 1157.2 TO APG	E (MINOTS) 300 10 350 10 350	AND ABGVE	2005 100 2007 2005 100 2007 2005 100 2000 2000 2000 2000 2000 2000
PACTOR  POLITA MA  ABOVE 1.8 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.0	20-1 00-9	1964-0 1900 1900 1900 1900 1900 1900 1900 19	200 TO 20	250 - WE 250 170 260 171 260 171 160 171 160 171 100 171 171 170 170 170 170 170 17	1.2 7.2 7.2 (UMO73)	330	10TAL DELTA ME 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	LOAD FACTOR DELTA NA ABOVE 1.0 1.4 TO 1.2 1.4 TO 1.2 1.4 TO 1.4 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.3 TO 0.6 0.4 TO 0.6 0.5 TO 0.6	LESS THAM 150	1 200 200 200 200 200 200 200 200 200 20	E - 20,000 ENT AIRSP 200 10 250 11 3 3 10 71 71 71 71 12 40 10 10 10 10 10 10 10 10 10 10 10 10 10	256 - W 296 290 300 1 1 194.7 1157.2 TO APG	E (MINOTS) 300 10 350 10 350	AND ABGVE	2007 2007 2007 2007 2007 2007 2008 22 0

Table 76
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 125,000 to 135,000 lb.

*.		ALT (TUB)	<b>! -</b>	• TO 2	,000 PEST					A.11740	E - 2,800	) 10 S	, <b>coo</b> FEET		
1.040 2827 <b>01</b>		EGNIANT	ENT ACES		C (RIMITS)		TOTAL	LOAD FACTOR		EGUIVAL			E (KMBTS)		TETAL
DELTA M2	1855 7440 150	190 19 200	70 290	256 10 300	300 10 310	350 A40 A4000	-	PACTOR MERTA ME	LESS 1040 190	190 Té 200	200 70 250	250 10 360	300 70 550	350 AND ANDYE	-
ABOVE 1.0 1.4 70 1.4 1.0 75 1.4 0.8 78 1.0 0.5 10 0.5 0.5 10 0.5 0.5 70 0.5 0.2 70 0.5 0.2 70 0.3	49	1 1 3 5 31	1 1 3 17				1 2 4 41 272	ACCVE 1.6 1.4 TO 1.5 1.0 TO 1.4 6.0 TO 1.0 6.4 TO 0.0 6.5 TO 0.6 6.3 TO 0.5 6.2 TO 0.5 6.2 TO 0.3	 1	4 17 100	1 13				4 19 127
-0.2 TB -0.1 -0.3 TO -0.2	42		20				101 25	-0.2 TG -0.1 -0.3 TG -0.2	12	103	13				126
-0.4 10 -0.3 -0.6 10 -0.4 -0.0 10 -0.6 -1.0 10 -0.6		3	1				25 3 1	-0.4 70 -0.3 -0.6 76 -0.4 -6.0 70 -0.6 -1.0 70 -0.0	•	i	1				i
TIME (MIN) MANT MILES	82.0 217.0	127.2	14.4 35.6	1.9			220.5 547.0	TIME (MIM) MANY MELES	9.4 22.4	200.3 661.2	55.9 211.2	80.5			278.3 923.3
		ALT STUDE	- 5,000	70 10,	900 FEET					ALT ITUE	- 10,000	TO 15,	000 FEET		
LOAD FACTOR	LESS	E <b>G</b> UTYALE			(KM075)	150	TOTAL	L CAB FACTOR	LESS	EGNIANT				***	TOTAL
DELTA ME	IMAN 15C	10 200	200 19 290	250 10) 300	10 350	ABOVE	DELTA ME	DEFLY ME	7000 190	18 18 200	200 10 256	250 70 300	300 70 350	356 AND ABOVE	DELTA REZ
ABOVE 1.0 1.4 10 1.0 1.0 TB 1.4 0.0 TO 1.0 0.4 TO 0.0 0.4 TO 0.3 0.1 TO 0.3 0.1 TO 0.3		<b>3</b> 7	2 27	2			3	AMOVE 1.0 1.4 10 1.0 1.0 10 1.0 0.6 10 1.0 0.5 10 0.0 0.5 10 0.4 0.4 10 0.5 0.3 10 0.4 0.2 10 0.2		3 5	14 93				15
-0.2 10 -0.1		44	84	3			45	-0.2 70 -0.1		14	40				56 54
-0.3 70 -0.2 -0.4 70 -0.3 -0.6 70 -0.4 -0.0 70 -0.6 -1.0 70 -0.0 00.00 -1.0 11PE (MCM)		432.4	104-6	1.9			3 540.0	-0.3 10 -C.2 -0.4 18 -0.3 -0.6 70 -0.4 -0.8 10 -0.6 -1.0 10 -0.0 061.00 -1.0 1100 (Min)	1.0	676-1	10	4.*			10 779.1
MANT MILES		ALTITUME	444.3	4.0	000 FEET		1003.5	MAUT HILES	7.7	2390.2	413.0 - 20,080	33.5			2639.5
		EGUIVALE			(KNOTS)					EQUIVALEN			(KNOTS)		
FACTOR DELTA MZ	LESS	150 TO	200 10	250 01	300 70	330 AND ARDYE	TOTAL DELTA NZ	EDAD FACTOR DELTA NZ	LYSS	150 TO	200	290 TO	300 10	350	TOTAL DELTA ME
ABOVE 1.0 1.4 FO 1.0 1.0 TO 1.4 0.8 TO 1.0 0.4 TO 0.8 0.5 TO 0.8 0.5 TO 0.3 0.3 TO 0.3	150	200 1 1 21	250 4 47	360	39ē	AROVE	1 9 70	AROVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.6 0.6 TO 0.8 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.4	196	200 1 26 149	250 1 3 100 33 107	300	35 <b>0</b>	AND :	2 3 16 59 346 3016
0.1 TO 0.2 -0.2 TO -0.1		174 201	676 556	•			<b>654</b> 757	0.1 10 0.2 -0.2 10 -0.1		1764	2017 195:	•			3016 3723
-0.3 10 -0.2 -0.4 10 -0.3 -0.6 TG -0.4 -0.8 TG -0.6 -1.0 TG -0.0 06100 -1.0		10	**				63	-0.3 10 -0.2 -0.4 10 -0.3 -0.6 TO -0.4 -0.0 TO -0.6 -1.0 TO -0.0 00180 -1.0		23	100	1			326 66 16 1
TIME (MIN) NAUT MILES	7.6 26.3	3179.5 13342.1	4501.1 10199.5	274.4 1574.7			9964.6 45164.6	TIME (MIM) MAUT MILES		23440.5 £	4348.2 3370.0	300. 9 1764. 1		a.	90572.4 03109.3
•		ALT ITUDE								ASTETUDE			E +661		
LUAD FACTOR	LESS	10 726 6001AVTÁA	200	250	308	152	TOTAL	LGAD FACTOR	LE33	190			(EMBTS)	350	TOTAL
DELTA MZ ABOVE 1.0	1180 150	200 TO	10 290	300	70 330	ANDVE	DELTA ME	DELTA NZ	194 194	190 10	200 16 250	250 70 306	10 350		DELTA NZ
1.4 TO 1.6 1.0 TO 1.4 0.8 TO 1.6 0.6 TO 0.8 0.5 TO 0.8 0.5 TO 0.6 0.5 TO 0.4 0.2 TO 0.3 0.3 TO 0.3		1 2 8 81	5 23 300				2 11 104 1395	ABOVE 1.0 1.4 TO 1.0 1.0 TO 1.0 0.8 TO 1.0 0.5 TO 0.0 0.5 TO 0.5 0.2 TO 0.3 0.2 TO 0.3 0.1 TO 0.2		1 1 10	47				1 1 1 14 14
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.8 10 -0.6		47 47 13	19 2				1100 06 16 2	-0.2 70 -0.1 -0.3 70 -0.2 -0.4 70 -0.3 -0.6 78 -0.4 -0.6 70 -0.4		179 10	. 33				19 513
00LOW -1.0								-1.0 TO -0.0 SELOW -1.0 TIME (MIN)							

Table 77
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission I (Long Range Logistics)
Gross Weight Range: 135,000 lb. and Above

		ALT ITUE			con FESÝ						- 7.00		.000 FEET		
LGAD FACTOR		SOUTH			! (HMD75)		TOTAL	L GAG FACTOR	LESS	EQUIVAL	-	_	E (KNOTS)	350	TOTAL
DELTA ME	1633 7 <b>149</b> 198	190 70 200	200 70 250	756 70 300	300 TC 350	976 97094	DELTA NE	DELTA RE	TMAN 150	15 <del>0</del> 70 266	208 10 250	250 10 300	300 10 330	ARD ABOVE	DELTA ME
ABOYE 1.8 1.4 TO 1.8 1.0 TO 1.8 0.0 TO 1.0 0.5 TO 0.8 0.5 TO 0.3 0.3 TO 0.4 0.2 TO 0.3	302	1 3 6 134	1 2 9 57	1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	1 2 2		7 7 25 341 1433	ABCVE 1.8 1.4 TO 1.8 1.0 TO 1.6 6.6 TO 1.6 6.6 TO 0.6 8.5 TO 0.5 6.3 TO 8.4 6.2 TO 6.5 6.1 TO 6.2	1	4 42 341	1 1 40 151	, ; ;	,		3 9 96 544
-0.2 TO -0.1	232	752	146	84			3077	-0.2 10 -0.1	4	207	124	25	3		447
-0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.8 TO -0.6 -1.8 TO -0.0 00100 -1.0	10	i	32	29	3		147 17 2	-0.3 FD -0.2 -0.4 FD -0.3 -0.4 FG -0.4 -0.8 FD -0.6 -1.0 FG -0.8 8ELOW -1.0		27	1	2	1		50 7 1
TIME (MIN) NAUT MILES	402.5	473.9 2092.0	44.6 252.6	9.3 41.9	0.4 2.1		1152.7	TIME (MIN) NAUT MILES	20.4 50.4	1040.2 3358.2	332.5 1316.0	63.3 295.9	1.5		1458.3 5637.0
		4411100	E - 5.00	10 1c.	000 FEET					ALTITUO	E - 10,060	10 15	,coo FEET		
LUAB		E-MIVA	2a14 T##	PEED - WE	(KM015)		1014.	LGAD		EGUIVAL	ENT AIRSI	EED - A	E (KNOTS)		TOTAL
FACTOR BELTA ME	LESS THAN 150	150 10 200	200 70 230	250 70 300	366 70 356	350 AMB ABOVE	DELTA NE	FACTOR DELTA ME	LE35 1HAN 150	150 TO 200	200 10 250	250 10 300	300 10 350	AND AND ARCIVE	DELTA NE
ABOVE 1.8 1.4 TB 1.8 1.0 TC 1.0 0.0 TB 1.0 0.4 TB 0.0 0.5 TD 0.5 0.4 TB 0.5 0.3 TD 0.4			1	į			3	ABOVE 1.8 1.4 TO 1.4 0.0 TO 1.4 0.0 TO 0.0 0.5 TO 0.0 0.4 TO 0.5 0.3 TO 0.5 0.3 TO 0.5		.14					,14
0.1 10 0.2		200	21 7	1			362 256	-0.2 TO -0.1	1	107 121	29 32	•			194
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.5 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.8		290 23 3	i	•			1	-0.4 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.8 TO -0.4 -1.0 TO -0.8 BELOW -1.0	•	10	36				1
TIME (MIM)	9.5	2633.7	343.9	26.8			2427.0	TEME (MIN)	25.7	2740.2	433.1	59.1			3270.1 11 <b>972.</b> 4
	27.3	4831.8	1474. L	97.4			8438.4	MAUT MILES	75.5	9600.6	1967.4	320.0			43
	27.3		1979.E E - 15,000		000 FEET		0430.4	MAUT MILES	73.3	4411100	•		.000 FEET		*******
	27.3		15,000	10 2¢,	000 FEET (ANOTS)				7363		E - 50,000	10 24	.000 FEET		
LGAD FACTOR	1855	ALTITUM EQUIVALI	E - 15,000 HUT ALBSF 200	10 20,1 ELD - VE 290	(KNOTS)	350 Aub	187AL	LGAS PACTOR	LESS Todas	44.71700 EQUIVAL	E - 20,000 ENT AIRSP	TO 24, CED - VI 250	(KM075)	350 AND	TOTAL DELTA ME
1040 FACTOR DELTA ME ABOVE 1.0 1.4 TO 1.0 1.0 TO 1.4 0.0 TO 0.0 0.5 TO 0.0 0.4 TO 0.5		ALTITUM EQUIVAL 150 TO 200	E - 15,000 EMT AIRSF 200 TO 290	ELD - VE	IRMOTSI	350 AMD ABBUS	TOTAL DELTA NE	LOAD FACTOR OFLTA NZ ABGVE 1.0 1.0 TO 2.0 1.0 TO 1.0 0.0 TO 0.0 0.5 TO 0.0 0.2 TO 0.0		500 200 120 47.11.00	E - 20.00C ENT AIRSP 200 70 250	TO 24,		350 ANO AOINE	TOTAL
LOAD FACTOR DELTA MI ADDME 1.0 1.4 TO 1.9 1.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0 0.1 TO 0.0	LESS SHAM 150	ALTITUM EQUIVALE 150 TO 200	E - 15,000 ENT AIRS# 200 70 250	10 20,1 ELD - VE 290	14NOTS) 300 10	350 AMD ABOVE	TOTAL	LGAS FACTOR OCT TA M2 480VE 1.8 1.4 VO 1.8 1.4 VO 1.9 0.6 TO 0.8 0.7 TO 0.6	LESS Todas	ALTITUE EQUIVAL 150 70 200	E - 20,000 ENT AIRSP 200 70 250	TO 24, CED - VI 250	(KNOTS) 300 70	350 AND ABINE	F TOTAL
LOAD FACTOR DELTA MI ADDW: 1.0 1.4 10 1.9 1.0 10 1.9 6.0 10 1.0 6.0 10 1.0 6.1 10 6.0 6.1 10 6.0 6.1 10 6.0 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2	LESS THAN 150	ALT 11906 FOUTUALS 150 70 200	E - 15,000 ENT AIRSF 200 70 250 3 10	16 26,0 EEO - VE 290 10 300	14NOTS) 300 10	350 AND AGG/08	187AL BELTA M2 4 21 93	LOAD FACTOR PACTOR PACTOR PACTOR PACTOR PACTOR 1.4 PO 1.0 1.4 PO 1	LESS 1949 196	ALTITUD EQUIVAL: 150 70 200	E - 20.000 ENT AIRSP 70 70 250	TO 24, CED - VI 250	(KNOTS) 300 70	350 AND ABOVE	36 36 3 1 0 10147
LOAD FACTOR DELTA ME ABOVE 1.4 1.4 10 1.0 1.4 10 1.0 1.0 10 1.0 6.0 10 1.0 6.0 10 0.0 6.1 10 0.0 6.1 10 0.0 6.1 10 0.2 6.1 10 0.2	1855 Findin 150 150	ALTITUDE EGUIVAL; 150 10 200 200 201 200 201 200 1	E - 15,000 HMT AIRS# 200 TO 23G 3 10 01 730 01 01 01 02 10 02 10	10 20,000 PER - WE 290 100 100 100 100 100 100 100 100 100 1	14NOTS) 300 10	350 AND ABOVE	187AL 9CLTA ME 4 21 93 1190 21 11 2 2 2 2 2 3 3 11 2 2 3 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 4 3 4 3 4 3 4 4 4 5 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	LOAD FACTOR PACTOR PACTOR OCL TA M2 ABOVE 1.8 1.4 TO 1.0 1.4 TO 1.0 1.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.0 TO 0.	LESS IMAN 190 11 20 1	44.71700 COUTVAL 150 70 200 2 2 2 3 75 726 11 4	E - 20,000 ENT ALASE 70 70 290 10 103 103 103 103 103 103 103 103 103	70 25, 10	(KNOTS) 300 70	ABINE	107AL DELYA M2  1
LOAD FACTOR DELTA MI ADDW: 1.0 1.4 10 1.9 1.0 10 1.9 6.0 10 1.0 6.0 10 1.0 6.1 10 6.0 6.1 10 6.0 6.1 10 6.0 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2 6.1 10 6.2	LESS FMAN 150 150	ALTITUDE EQUIVAL: 150 TO 200 200 201 231 230 1	E - 15,000 HIT AIRS 7 200 10 230 3 10 01 730 01 01 02 10 03 10 04 04 04 04 04 04 04 04 04 0	10 20,000 WE 230 300 300 11 11 10 1 1 1 1 1 1 1 1 1 1	tenovii 100 10 350	350 AMD AGG00	767AL 0€LTA N2 21 93 1106 1002 91 11 2	LUAS FACTOR DELTA M2 ABOVE 1.8 1.4 TO 1.8 1.4 TO 1.8 1.6 TO 1.6 0.8 TO 1.0 0.4 TO 0.8 0.7 TO 0.6 0.7 TO 0.6 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2 -0.2 TO 0.3 -0.4 TO 0.2 -0.5 TO 0.4 0.7 TO 0.6 0.8 TO 0.7 0.8 TO 0.7 0.8 TO 0.8	LESS 1040 150 11 20 1	44.71700 EQUIVAL 154 70 200 200 21 25 726 11 4 10040-3 50047-5	E - 20,000 ENT ALASE 200 70 290 10 103 103 103 103 103 103 103 103 103	78 25 250 - 40 250 300 300 313-2 1050,7	: (RMOTS) 300 70 350 350	ABINE	10744 06LT4 MF 10 34 170 260 2150 140 2150 140
LOAD FACTOR DELTA ME ABOVE 1.4 1.4 10 1.0 1.4 10 1.0 1.0 10 1.0 6.0 10 1.0 6.0 10 0.0 6.1 10 0.0 6.1 10 0.0 6.1 10 0.2 6.1 10 0.2	1855 Findin 150 150	ALTITUDE EURIVALIS 150 TO 200	E - 15,000 INT AIRS# 200 10 230 3 10 01 91 91 90 10 00 10 00 10 00 10 00 10 00 10 1	10 20,000 WE 230 300 300 11 11 10 1 1 1 1 1 1 1 1 1 1	tenovii 100 10 350	350 AMD AGGOR	187AL 9CLTA ME 4 21 93 1190 21 11 2 2 2 2 2 3 3 11 2 2 3 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 4 3 4 3 4 3 4 4 4 5 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	LUAS FACTUR BELTA M2 ABOVE 1.8 1.4 TO 1.8 1.4 TO 1.8 1.6 TO 1.6 0.5 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.7 TO 0.6 0.1 TO 0.7 0.7 TO 0.7 0.	LESS IMAN 190 11 20 1	44.71700 EQUIVAL 154 70 200 200 21 25 726 11 4 10040-3 50047-5	E - 20,000 ENT ALASE 70 70 290 10 103 103 103 103 103 103 103 103 103	78 25 250 - 40 250 300 300 313-2 1050,7	: (RMOTS) 300 70 350 350	ABINE	10744 DELTA ME 1 4 170 2003 203 2230 100 20 12 27370,7 130437,0
LOAD PACTOR DOLTA NA ADDW: 1.0 1.4 10 1.0 1.4 10 1.0 1.6 10 1.0 0.5 10 0.0 0.5 10 0.0 0.5 10 0.0 0.5 10 0.0 0.5 10 0.0 0.5 10 0.0 0.5 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 1.0 10 0.0 1.	150 150 150 17 17 1	ALTITUDE EQUIVALE 150 TO 200 200 231 230 230 240 240 240 240 240 240 240 240 240 24	E - 15,000 INT AIRS# 200 10 230 3 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 10 01 01	10 20,0 200 - WE 200 300 11 10 1 10 1 10 1 10 10 10	tanoTS) 100 10 300 300	AND	767AL 06LTA N2 21 93 1106 1002 91 11 2 22329.4 100399.3	LUAS FACTUR DELTA M2 ABOVE 1.8 1.4 TO 1.8 1.4 TO 1.8 1.6 TO 1.8 0.8 TO 1.0 0.4 TO 0.8 0.7 TO 0.6 0.7 TO 0.6 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2 -0.2 TO 0.3 -0.4 TO 0.5 -1.0 TO 0.5 TIME INITION NAME TO 0.5 TIME INITION NAME TO 0.5 LUAS LUAS LUAS LUAS LUAS LUAS LUAS LUAS	110-2 019-3	201740. 200740. 200 200 200 200 200 200 200 200 200 2	E - 20,00C ENT ALASE 200 70 290 10 103 1120 120 130 130 130 130 130 130 130 130 130 13	250 - VI	: (KNOTS) 300 70 350 350	ADDIVE	10744 DELTA ME 1 4 170 200 200 20 20 20 20 12 27370.7 130437.4
LGMO FACTOR BOLTA NAI ADDVE 1.0 1.4 10 1.0 1.4 10 1.0 1.4 10 1.0 0.1 10 0.5 0.5 10 0.5 0	LESS Finan 150 150 17 1	ATTIMOS  EQUIVALS  150  70  200  21  220  20  201  24011.3  ATTIMOS  COUTVALS  10  200	E - 15,000 ENT ALBSF 200 T0 230 3 10 01 01 02 04 040 10 2 14002.0 49015.3 - 29,300	10 20,000 WE 230 300 300 11 11 10 1 1 1 1 1 1 1 1 1 1	tenovii 100 10 350	350 AND AND AND AND AND AND AND AND	187AL 06LTA NZ 4 21 93 1100 1002 91 11 2 2 22325.4 100300.3	LOAS  FACTOR  DELTA M2  ABOVE 1.8 1.4 VO 1.0 1.0 TO 1.0 1.0 TO 1.0 0.4 TO 0.0 0.7 TO 0.0 0.7 TO 0.0 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2 -0.3 TO -0.2 -0.4 TO 0.5 -1.0 TO -0.6 TIME INIO VALUE 1.0  ABOVE 1.0  LOAD  FACTOR  DELTA M2  ABOVE 1.0 1.0 TO 1.0 0.0 1.0 TO 1.0 0.0 1.0 TO 1.0 0.0 1.0 TO 1.0 0.0 0.0 TO 1.0 0.0 0.0 TO 0.0 0.0 1.0 TO 0.0 0.0 1.0 TO 0.0 0.0 1.0 TO 0.0 0.0 1.0 TO 0.0 0.0 TO 0.0 0.	150 150 110-2 0 1	44.71700 EQUIVAL 154 10 200 2 2 2 3 75 726 11 4 10000.3 5000.7.5	E - 20,000 ENT ALASE 200 70 290 10 103 103 103 103 103 103 103 103 103	78 25 250 - 40 250 300 300 313-2 1050,7	: (RMOTS) 300 70 350 350	ABINE	10744 DELTA ME 1 4 170 2003 203 2230 100 20 12 27370,7 130437,0
LGMO FACTOR BOLTA NAI ADDVE 1.0 1.4 10 1.0 1.4 10 1.0 1.4 10 1.0 0.1 10 0.5 0.5 10 0.5 0	LESS FINAM 150	ATTITUDE EQUIVALE 150 70 200  1 200 201 200 201 200 201 200 200	200 100 2500 2500 2500 2500 2500 2500 25	10 20,0 200 - WE 200 300 11 10 1 10 1 10 1 10 10 10	(40075) 100 10 350 350 (40075) 350 70	AND	187AL 06LTA M2 21 93 1100 2002 91 12 2 22 22 23 20 20 11 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	LGAB FACTOR 05174 M2 AGGVG 1.8 1.0 70 2.8 1.0 70 2.8 1.0 70 2.8 1.0 70 2.8 1.0 70 0.6 0.7 10 0.6 0.7 10 0.6 0.7 10 0.7 0.	110-2 019-3	201740. 200740. 200 200 200 200 200 200 200 200 200 2	E - 20,000 ENT ALASE 200 TO 250 103 103 120 120 120 120 130 130 130 130 130 130 130 130 130 13	250 - VI	: (KNOTS) 300 70 350 350 ::(KNOTS) 100 70	ADDIVE	10744 DELTA ME 100 240 110 200 210 210 210 210 210 210 210 21
LGMO FACTOR BOLTA NAI ADDVE 1.0 1.4 10 1.0 1.4 10 1.0 1.4 10 1.0 0.1 10 0.5 0.5 10 0.5 0.5 10 0.5 0.5 10 0.5 0.5 10 0.5 0.7 10 0.5 0	LESS FINAM 150	ALTITUDE EQUIVALE 150 70 200  1 1 2 201 200 201 201 201 201 201	200 100 2500 2500 2500 2500 2500 2500 25	10 20,0 200 - WE 200 300 11 10 1 10 1 10 1 10 10 10	(40075) 100 10 350 350 (40075) 350 70	AND	187AL 06LTA M2 21 93 1106 1002 91 11 2 22329.4 100390.3 107AL 06LTA M2	LOAD FACTOR PACTOR DELTA M2 ABOVE 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 0.0 0.2 TO 0.0 0.2 TO 0.0 0.1 TO 0.2 0.1 TO 0.2 0.1 TO 0.2 0.1 TO 0.2 0.1 TO 0.3 0.3 TO	110-2 019-3	201740. 200740. 200 200 200 200 200 200 200 200 200 2	E - 20,00C ENT ALASE 200 70 290 10 103 1120 120 130 130 130 130 130 130 130 130 130 13	250 - VI	: (KNOTS) 300 70 350 350 ::(KNOTS) 100 70	ADDIVE	1074L DELTA ME  1 0 24 170 260 2190 2190 2190 2190 2190 2190 2190 219
LGMO FACTOR BOLTA NAI ADDVE 1.0 1.4 10 1.0 1.4 10 1.0 1.4 10 1.0 0.1 10 0.5 0.5 10 0.5 0	150 150 17 17 1 120-1 120-1	ATTITUDE EQUIVALE 150 70 200  1 200 201 200 201 200 201 200 200	200 100 2500 2500 2500 2500 2500 2500 25	10 20,0 200 - WE 200 300 11 10 1 10 1 10 1 10 10 10	(40075) 100 10 350 350 (40075) 350 70	AND	187AL 06LTA M2 21 93 1100 2002 91 12 2 22 22 23 20 20 11 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	LGAB FACTOR 05174 M2 AGGVG 1.8 1.0 70 2.8 1.0 70 2.8 1.0 70 2.8 1.0 70 2.8 1.0 70 0.6 0.7 10 0.6 0.7 10 0.6 0.7 10 0.7 0.	110-2 019-3	201740. 200740. 200 200 200 200 200 200 200 200 200 2	E - 20,000 ENT ALASE 200 TO 250 103 103 120 120 120 120 130 130 130 130 130 130 130 130 130 13	250 - VI	: (KNOTS) 300 70 350 350 ::(KNOTS) 100 70	ADDIVE	10744 DELTA ME 100 240 110 200 210 210 210 210 210 210 210 21

Table 78
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: Below 85,000 lb.

LOAD PACTOR PELTA M2 ABOVE 1.6 1.4 TO 1.0 1.4 TO 1.0 0.6 TO 0.0 0.5 TO 0.0 0.0 0.5 TO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1255 1940 194 1 10 12 2	ALTITUME - REGIVALEN 150 - 10 - 200 - 1 - 2 - 2 - 1 - 2 - 2 - 2 - 2 - 2 - 2		100 FEET (RASTS) 200 10 310	age active	107AL 06LTA M2 1 4 99 30 8	1,040 FACTOR OULTA RE ARROY 1.0 1.4 TO 1.0 1.4 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.1 TO 0.0 0.0 TO 0.0 0	LESS Reds ESO	ALTITUDE - CONTUNING   190   70   200   11   12   20   10   2   2   2   2   2   2   2   2   2		en Per elimits To To To		707AL DOLTA OZ 3 0 17 41 53 17 4 53 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 17 4 4 4 4 4 4 4 4 4 4 4 4 4
LUMB FACTUM MOSTA MA MOSTA MA MA MOSTA MA MA MOSTA MA MA MOSTA MA	LESS Table 194	ALTETURE - COUVALEN 390 70 70 800		00 FEET (EMOTS) 300 10 300	250 250 250 250 250 250 250 250 250 250	1004. 06674 M2 2 3 0 42 20 40 10 11 2 2 2,3 11-6	### 100 ### 10	FERE FERE	ALTITUDE - CONTINUES		600 FEET (600TS) 300 70 70 70	350 670 4660E	POPAL  DILIA ME  L  L  L  L  L  L  L  L  L  L  L  L  L
1000 PARTON ORATO NA 1-0 TO 1-0 1-0 TO 1-0 0-0 TO 1-0 0-0 TO 1-0 0-1 TO 0-0 0-1 TO 0-0 0-1 TO 0-1 0-2 TO 0-1 0-2 TO 0-1 0-2 TO 0-1 0-3 TO 0-1 0-3 TO 0-1 0-4 TO 0-1 0-6 TO 0-1 0-6 TO 0-1 0-6 TO 0-1 0-6 TO 0-1 0-6 TO 0-1	***	ALTITUDE EQUIVALE 150 200	 c 10 2r. Flen - vi 210 10 30		300 400 400	TOTAL OCLTA AE							

Table 79
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 85,000 to 95,000 lb.

		ALTITUDE	- e		400 PBST					ALTERUDE CONTINUE			000 FEET		
PACTOR COLTA DE	100	199	200 100 150	200 10 10 200	300 30 30 30	100	TOTAL DELTA 42	PACTOR PACTOR OULTA THE	LE16 Trust 190	190	200 10 250	290 10 20	300 70 350	AND AND ABOVE	TOTAL DELTA RE
1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0		-	***		-		1	40010 1.6 1.0 10 1.6 1.6 10 1.4 0.6 10 1.6 0.6 10 0.6 0.5 10 0.6 0.4 10 0.5 0.3 10 0.4 0.3 10 0.2	199	~	;	,	<i>771</i>	ABOVE	,,
	14	<b>43</b>	•				115	6.3 10 6.3	5	110	170	12 45			10 54 750
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6	12	ij	•				35 35	-0.2 10 -0.1 -0.3 10 -0.2 -0.6 10 -0.3 -0.6 10 -0.6 -0.6 10 -0.6 -0.6 10 -0.6 1000 -0.6 1000 -0.6	•	193	142 32 6	\$1 10 1			13 13
TIME EMINES	99.3	##-1	iki iki	Ŀi			344.3	75M2 (MON) MANY MOLES	14.1	77.0 233.5 44.117 <b>40</b> 1	04.0 100.0 - 10,000	10.1 45.6 70 14.	6,7 3,6 666 FEET		144.7
		ALTERNAL P	- 5,000 17 ABBS		400 PRET (MADTS)		10744			CONTACT					TOTAL
FACTOR OGLTA DE	1055 1060 196	190 70 700	300 100 250	200 300	100 10 100	300 MA		FOCTOR COLTA SE	LESS THAN 130	190 10 200	200 70 230	250 10 300	300 10 310	100 M	0017A M
AGDIE 1.8 1.4 10 1.0 1.0 10 1.4 0.0 10 1.4 0.4 10 0.0 0.5 10 0.4 0.5 10 0.4 0.5 10 0.4 0.5 10 0.2		;	1 1 2 2 2 32 40 32 40 32	10 10 10 10 10			1 4 1 13 14 142 142	ASSTREE 1.0 1.4 10 1.0 1.0 10 1.4 0.0 10 1.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.0		3	1 17 101	10 10 10			1 7 11 30 103
크레 N 크리		10		137 96 22 14				*18*		10	** 10	30 31			153 26 6
-0.2 10 -0.1 -0.3 70 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.4 -0.6 10 -0.4 1100 -1.6 1100 -1.6 1100 ML/S	••		11 11 11 11 11		1.5		971 192 47 20 2	-0.2 10 -0.1 -0.1 10 -0.2 -0.4 10 -0.1 -0.4 10 -0.4 -0.0 10 -0.6 -1.4 10 -0.6 -1.4 10 -0.6 -1.4 (100) -1.4 (100) -1.4 (100)		193	i		1.3		
and mus	∷	90.7 149.4 4177188	300.0 430.7 - 15,000	300.0 300.0	8.4		907.3	man marts		10-3 10-8 M11700#	- 50'86C	21.4 199.4 10 24.6	1.3 7.7 1334 <b>00</b>		100.0 777.0
1010		(Abitatria)	R 4000F	<b>.</b>	(444)		1074	LOSO		CONTRACTO			(K <b>NO</b> TS)	4.	10144
edrige ms vectors	124	100	***	700 100 200	300 10 300	100	88ATA W	factor eq. to es	120	190 10 100	200 10 210	210 10 100	700 10 750	NAME AND ADDRESS OF THE PERSON	DELTA ME
		10	; 6 27					60000 1.0 1.4 10 1.0 1.0 10 1.4 0.5 10 1.4 0.4 10 0.0 0.4 10 0.0 0.1 10 0.1 0.1 10 0.1 0.1 10 0.2		n	) ) )				37 17 100
-1.2 10 -4.1 -1.2 10 -4.2 -1.4 10 -4.3 -1.4 10 -4.3 -1.4 10 -4.4 -1.4 10 -4.4 -1.4 10 -4.4 -1.4 (104)		•	110	1			100 20	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.4 10 -0.4 -0.4 10 -0.4 -1.5 10 -0.5 1100 -0.5 1100 -0.5		34	114 81 7		•		144 21 3
time teams about mices		10-2 40-3 4119-40 -	103-1 103-1 20-000		1.7 0.4 1981 on		ui;	The tasts		130.2 1470.0 1470.0	304-3 1030-2 - 39-806 1 8395-4	3.0 10.1 10 1/0:	e jakt		2953.6
1000 14110a	100	120	100 100 100 100	70	200 70 700	***	1074L	POCION POCION	MAN.	160	104 10 10	/10 10 100	100 10 100	270 270 44711	1064c 6615 W
######################################	386 ·		nii		<b>155</b>	44574			100		<b>.</b>	**************************************	Hō.	antive:	16
		10 10 10 10 10 10	and a						6.7 91.4	10 10 101-1 107-3	3.5 13.0				111.0

Table 80 Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 95,000 to 105,000 lb.

		42 F I TUI	-		,000 FEET					4471740	-		<b>000</b> FEET		
LOAD FACTOR	L855	150		250		350	TOTAL	LOAD FACTOR	LESS	SOULAW.				150	TOTAL
DELTA NA	110day 190	78 200	200 70 250	10 300	300 10 350	AGCVE	DELTA NE	DELTA NE	This	150 78 200	200 10 290	250 70 360	300 TO 350	350 AND ADDVE	DELTA NZ
ACOVE 1.6 1.4 TO 1.9 1.0 TO 1.4 0.6 TO 1.0 0.5 TO 0.2 0.5 TO 0.3 0.5 TO 0.4 0.2 TO 0.3 0.1 TO 0.2	11 77 547	, 51	1 6 16 67 487	5			1 2 7 34 195 1207	AMOVE 1.0 1.4 10 1.8 1.4 10 1.4 0.8 10 1.6 0.4 10 0.5 0.4 10 0.5 0.4 10 0.5 0.3 10 0.4 0.2 10 0.3	100 100	1 4 10 100	7 32 140 528	2 16 91 02	•	-	1 13 60 300 1412
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.5 -0.0 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.0 TIME (RIO)	497 90 5 2	14	427 61 15	5			1139 173 22 8	-0.2 TG -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.0 TO -0.8 D01.00 -1.0	160 26 2	964 91 23 2 1	952 125 17	20 6 7	2		1310 252 40 12 1
MANY MILES	334.9 734.6	154.0 430.4	130.6	10.7			430.1 1714.5	TIME IMMI MAUT MILES	290.L	271.7 01 <b>9.</b> 9	173.9	24.4 124.4	5.5 31.3		1933.0
		ALTITUE EQUIVA			,000 FEET					ALT I TUE			406 FEET		
FACTOR	LESS	150	200 TO	250	306 10	350	LATOT	LOAD FACTOR	LESS	150	200		300	356	TOTAL
### ### ### ### ### ### ### ### #### ####	190	200 }	250 10	70 300	356	ABOVE	DELTA ME	06174 ME 400VE 1.0 1.4 TO 1.0 1.0 TO 1.4 0.0 TO 1.0 0.6 TO 0.0	190 190	200 200	70 290	25e 10 34e	35 <b>0</b>	356 ARD ASOVE	SELTA ME
0.0 TO 0.5 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2		10 67 305	26 55 103 726	3 30 171	1		12 34 76 200 1205	0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2		17 73	14 14				31 131
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.0 TO -0.6 -1.0 TO -0.0	2	244 50 11 3 2	944 139 94 22 2	121 26 1			937 217 75 33 9	-6.2 10 -6.1 -6.3 10 -6.2 -6.4 18 -6.7 -6.6 10 -6.4 -6.8 10 -6.6 -1.0 10 -6.8		94 14 1	35 12 1 2	2			111 20 2 2
TIME INSUIT	3.1 9.7	213.0 712.9	420.3	120.5	14.0		770.0 3216.9	TIME (MIM) NAUT MILES	1.4	133-3	276.3	48.9 354.2			474.0
		44.7 11146			,cao FEET					ALTITUM		_	00 FEET		400000
		FOUTVAL	28814 TPB	Mto - W	E 14M9TS)		TOTAL	LGAD		EGUITALE	MT 4185P	160 - VE	(RM075)		
FACTOR DELTA NE	1855 Thin 190	150 76 200	200 10	210 18 300	300 10	350 MD MOVE	DELTA KE	PACTOR DEL FA Ma	LESS THÁN 196	190 10 200	200 70	250 10	300 TO	330	TOTAL DELTA NE
Acces 1.9 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.1 10 0.1 0.2 10 0.2 0.1 10 0.2	114	200 1 12 100	250	166 1	314	ABOVE	2 1 6 10 54 240	ABOVE 1.8 1.4 TO 1.4 1.8 TO 1.4 4.8 TO 1.8 0.5 TO 0.8 0.5 TO 0.5 0.3 TO 0.4 0.2 TO 0.5 0.1 TO 0.2	154	200 1 3 3 14	250 1 11 11 143	306	156	AND ABOVE	2 3 4 27 27
-6.2 10 -6.1 -6.3 10 -6.2 -6.6 10 -6.3 -6.6 10 -6.6		13	100 30 9 1	ı			263 91 9	-0.2 FO -0.1 -0.3 FO -0.2 -0.4 FO -0.4 -0.0 FO -0.4 -0.0 FC -0.6 -1.0 FC -0.2 SELON -1.0 TIMD (MIG)		14	115 6 1				205 22 7
bilds -1.0 find intol hour miles	7.1	130.1 532.2 4.117 <b>406</b>	190.4 1377.4 - 25.006	10 35,6 130-1 131-0	<b>00 FEET</b>		957.8 4 <b>9</b> 45.7	Time (Min) MAUT MILES	9.6 38.7	\$76-1 \$734-0	1395.0	14.1			1942.4
1000 F46700		(aniant)	11 A185PE	60 - VE	(44013)		TOTAL								
OELTA M	INTO	190	200 70 794	216 10 246	300 10 356	700A4 740	DELIA ME								
40000 1.0 1.0 70 1.0 1.0 70 1.4 6.8 70 1.6 6.0 70 0.8 6.1 70 0.8 6.1 70 0.9 6.1 70 0.3 6.1 70 0.3		1 2 7	19				1 2 7								
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 20 -0.4		*	žį.				;								
-1.6 18 -0.6 96 90 -1.6															

Table 81
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 105,000 to 115,000 lb.

		ALTITUS EQUIVA			,000 FEET					ALT I FUE		: 10 1, 420 - VI	000 FEET		
LOAP FACTOR BOLTA HE	LESS 7HAD 190	190 10	200 16 250	250 70 200	300 10 300	350 AND ABGV	TOTAL DELTA NE	lgad Pactor Oclta ne	LESS Indo	190 70 200	200 70 250	250 70 306	366 78 366	370 540 40076	TOTAL OCLTA RZ
ABOVE 1-8 1-4 TO 1-4 1-6 TO 1-4 0-6 TO 1-6 0-5 TO 0-4 0-5 TO 0-5 0-5 TO 0-5	1 10	3 6 21	į			NOOT	11	AGOVE 1.0 1.4 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.3 TO 0.3 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2	:	:	2 20 100 320 1302	1 1 4			3 10 30 105 730 2000
	1177	123	430	;			2300		10	7305 730 75		107			
-0.2 10 -0.1 -0.3 70 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.4 -1.0 10 -0.0 1100 -1.0 1100 (818)	1110	423 100 21 3	444 62 10	;			2262 311 60 17	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.6 -0.3 10 -0.6 -1.6 10 -0.6	102 10 11	1364 214 54	1201 320 60 25	147 44 7			1200 652 141 20
TIME (AID)	1003-2	463.7 1363.6 A.FITUD	272.3 1030.4 1 - 5,000	2.0 4.7 10 1c,	C00 FEET		1000.4	Time (min) Time (min) Though miles	162-0 100-1	2670.6 44,71700	531.4 2023.4 E - 10,000	94.7 104.9 10 15.	<b>100</b> FEET		1970.4
LOAD		EGNIANT					TOTAL	LOAD FACTOR		FOUTVAL	ent Alasi		(CTOMP)		TOTAL
FACTOR OGLTA NE	LESS Trider 190	196 76 200	200 78 250	296 10 306	300 78 350	350 AND ADDYE	DELIA NE	BOLTA RE	LESS Indo LSG	190 70 300	700 10 230	296 18 200	300 10 300	350 440 4607E	<b>06</b> 174 <b>14</b> 7
ACCUPE 1.0 1.4 10 1.4 1.0 10 1.4 0.6 10 1.0 0.5 10 0.0 0.5 10 0.0 0.4 10 0.5 0.3 10 0.3 0.2 10 0.3	1	2	3 6 38	į			3	400/E 1.8 1.4 10 1.4 0.8 10 1.4 0.8 10 1.0 0.8 10 0.8 0.5 10 0.8 0.3 10 0.5 0.3 10 0.5 0.2 10 0.5		,	1	i			} :
	•	41 345	114 732	137			54 191 1220			100	136	*	1		13 300
-0.2 TO -0.3 -0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.5 TO -0.6 -1.0 TO -0.0 TIME (MINE)	;	327 67 16 6	784 137 27 3	102 10 3			1147 217 46 16	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.6 -1.0 10 -0.8	1	ï	124 20 5 1	10			#4 9 9
	34.7 94.1	570.5 1904.1 ALTITUGE CONTVALS		100.0 100.0 200.0	7.6 43.0 100 FEET (BMDTS)		1969.3 7869.4	TIME ININ!	17.6	474.0 1004.3 64.717ys 6801764			1.4 11.2 COO PEET		1205.2
LOAD PACTOR DOLTA DE	LESS Produc 190	190 10 200	200 10 250	290 16 306	300 10 390	)50 AND 10017	TOTAL OELTA NE	LOAD FACTOR DELTA NO	185 1040 198	190 10	700 78 200	290 10 200	300 10 300	)50 440 4604	1974L 96LTA 102
METON 1.8 1.0 TO 1.0 1.0 TO 1.0 6.0 TO 1.0 6.0 TO 6.0 6.0 TO 6.0 6.0 TO 6.0 6.0 TO 6.0 6.0 TO 6.0 6.0 TO 6.0 6.0 TO 6.0		;	296 12 64 130		350	40001	14	400VG 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.3 0.1 TO 0.3 0.1 TO 0.3	100	3 1 0	290 1	366	<b>36</b>	40000	1
	,	71 42		43			848								100
-0.3 10 -0.3 -0.4 10 -0.3			530	39			447			246 246	104	j 10			644
-0.6 10 -0.6 -0.0 10 -0.1 -1.0 10 -0.0 00100 -1.0		10	66	i			**************************************	-0.2 FB -0.1 -0.3 FB -0.2 -0.4 FB -0.3 -0.6 FB -0.4 -0.6 FB -0.4			919	10			63 20 11
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.0 TO -0.3 -0.0 TO -0.3 -0.0 TO -0.3 -0.0 TO -0.3 -0.0 TO -0.3 -0.0 TO -0.3	:ii:	10 1 200.0 200.3	66	197.5	as reet		447 70	-0.2 70 -0.1 -0.3 75 -0.2 -0.4 70 -0.3 -0.6 70 -0.4	19.3	100 01 10 10	111 101 42	,			7100.9 1000.9
-0.6 10 -0.6 -0.0 10 -0.5 -1.0 10 -0.5 00.00 -0.0 1100 1000 00.00 -0.0	131.6	64014076	2007.7 12007.1 - 25,000	197, 5 1200.0 70 30,0	(24075)		**************************************	-0.2 FB -0.1 -0.3 FB -0.2 -0.4 FB -0.3 -0.6 FB -0.4 -0.6 FB -0.4	19.3	106 41 16 10 1	919 494 42 19 1	10.0			•
AGAD PACTON CONTA NO	4515 100	10 1 200.0 200.3	2047.7 12707.1	197.5	06 PEET (BMBTS) 300 10 300	MON.	**************************************	-0.2 FB -0.1 -0.3 FB -0.2 -0.4 FB -0.3 -0.6 FB -0.4 -0.6 FB -0.4	19.3	106 41 16 10 1	919 494 42 19 1	10.0			•
-0.0 10 -0.0 -0.0 10 -0.0 -0	131.6	64014076	2007-7 12097-1 12097-7 12097-7 10 1000 200 200 200 200 200 200	197, 5 1200.0 70 30,0	(84075)	773 200 2004	200.7 200.7 200.7 20030.0 20044 20144 44	-0.2 FB -0.1 -0.3 FB -0.2 -0.4 FB -0.3 -0.6 FB -0.4 -0.6 FB -0.4	12.3	106 41 16 10 1	919 494 42 19 1	10.0			•
AGAD PACTON CONTA NO	131.6	10 1 2904.3 64.717498 6401764.0 100 300	21.07.7 12007.1 - 25.000 200 200 200	197, 5 1200.0 70 30,0	(84075)	270 And And And And And And And And And And	907 10 3 3 3 3 3030.7 30130.0 10010.0	-0.2 FB -0.1 -0.3 FB -0.2 -0.4 FB -0.3 -0.6 FB -0.4 -0.6 FB -0.4	15.3	106 41 16 10 1	919 494 42 19 1	10.0			•

Table 82
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 115,000 to 125,000 lb.

		ALTITUM	- •	70 2,0	100 PEE7					44517006			coo feet		
LOAD PACTOR	LE35	EJW14M/E			(440075)	•	101 14.	LOAC	I. <b>235</b>	AGE THAT E		200		150	TOTAL
DELTA ME	150	194 07 290	700 70 700	250 10 300	70 70 750	700 440 440	Sesta MC	POLTA AZ	194FF 194	196 13	36t 7F 2 <b>9</b> 0	16	200 19 200	100AE	DELTA ME
Acced 1.8 1.0 TC 1.0 1.0 TC 1.0 0.0 TC 1.0 0.0 TC 0.0 0.0 TC 0.0 0.1 TC 0.0 0.1 TC 0.0 0.1 TC 0.0 0.1 TC 0.0		1 19 90 370	2 7 42 221	<b>!</b>			3 33 100 1042	1.4 70 1.8 1.0 78 1.0 6.6 78 2.0 6.5 78 8.0 6.3 78 6.4 9.4 70 6.5 6.3 78 6.3 6.2 78 6.3 6.1 70 6.2	1 12 107	1 4 10 97	! • •1 227	1 4 37 157	,		1 6 32 161 907
-0.2 18 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0 1 10 -0.6	315 20 4	100 45 7	213 25 7	123			110 22 4	-0.2 10 -0.1 -0.3 10 -0.2 -0.0 10 -0.3 -0.0 10 -0.6 -0.0 10 -0.6 -1.0 10 -0.8 Mills -1.6 11:0 (min)	177 15 1	397 66 12 3	100 20 11 3	107	,		118 24 6 1
MELON -1.0 TIME (MIN) MANY MELES	125.0 101.1	271.0 002.7 ALTITUDE	114.5 103.3 - 5,000		100 7001		793.0 8173.0	MAJE MILES	224.4 517.5	\$29.9 1022.6 41119C3		130.4 527.3 70 (9,			3005.7
1,000 745700 00174 NE	LOSS	130 GONIANTE			300	7720	1014	LEAD PACTER SELTA DE	LOSS	720 SENIANTE			200	384	16744
	Production 1 100	190 70 200	760 750	10 10	300 10 300	17 <b>20</b> 640 640 64742	BELTA ME		7960 7.96	10	200 10 216	290 14 190	100 15 363	190 190 100 100 100 100 100 100 100 100	gek 76 Me
ACOVE 1.0 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0 0.0 10 0.0	n	1 6 43 292	1 1 7 20 190	;			; 11 70	1-4 10 1-6 1-6 10 1-6 0-6 10 1-6 0-6 10 1-6 0-7 10 0-6 0-7 10 0-6 0-7 10 0-6 0-7 10 0-7 0-7 10 0-7 0-7 10 0-7		1 4 24 130	140 15 10 10	}			18 70 950
-0.2 10 -0.2 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6 -1.6 10 -0.6	25	226 46 1	100 20 4 3	Ņ			902 82 30	-0.2 TO -0.2 -0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.5 TO -0.5 (01.00 -0.5 130 (00.01 00.07 MOLES	1	136 25 4	140	*			354 100 12 1
THE INDO	46.8 114.7	439-0 2136-7 44.11764	1000.3	139.7 610.3			1900.3 5705.2	1310 10001 1310 10001 14107 100.05	12.5 36.7	00%1 7500.6	334. T	107.4 107.1			APER-S
										M. / 2 / M. /	+ 10.				
		CONTRACT			HANGERS)					Right Falls			**************************************		****
edria et tacian	LESS THE	CONTRACT	<b>11 1105</b> F	100 - W	140,0753	**	TOTAL DOLTA ME	LONG PACTUR SOLTA ME	(.51) (.51)	# SP   WALL	ina eteta	16 <b>00 -</b> 10	t coupels	<b>X</b>	HOUSE STATE OF
ASSO FACTOR SELIA SE CORRELLA SE LIA 10 LIA LIA 10 LIA CAS 10 LIA CAS 10 CAS CAS 1	LESS Bridge 1990		•			<b></b>		1000 FACTUR SALTUR SALTUR LAS TO SALT CAS TO SALT	150					3% 840 820 820 8	
\$1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.1 0.1 TO 0.1 0.1 TO 0.1	LESS Briefs 196	100 100 100 100 100 100 100 100 100 100	200 100 200 200 200 200 200 200 200 200	100 - W	140,0753	100 400 4000	2 4 42 47 177 1004	40000 2.4 1.4 VB 1272 1.2 VB 5272 0.6 V6 5.5 0.5 VB 5.5 0.6 VB 6.6 0.5 VB 6.6 0.2 VB 6.6 0.3 VB 6.6 0.3 VB 6.6 0.4 VB 6.2	199	30 30 30 30 30 30 130 130	700 700 700 700 700 700 700 700 700 700	16 <b>00 -</b> 10	t coupels	234 405 436 <b>00</b>	I I I I I I I I I I I I I I I I I I I
\$1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.1 0.1 TO 0.1 0.1 TO 0.1	1419 1400 1400	513 500 100 100 100 100	100 100 200 200	100 - W	140,0753	<b>2</b> .	88476 W	40000 2.4 1.4 VB 1272 1.2 VB 5272 0.6 V6 5.5 0.5 VB 5.5 0.6 VB 6.6 0.5 VB 6.6 0.2 VB 6.6 0.2 VB 6.6 0.3 VB 6.6 0.4 VB 6.2	150	300 100 130 130	700 700 700 700 700 700 700 700 700	16 <b>00 -</b> 10	t coupels	316 405 40570	tirte at
	1415 100 100	200 200 200 200 200 200 200 200 200 200	200 200 200 200 200 200 200 200 200 200	100 - W	100 100 100 100	<b></b>	80.16 of 6 6 12 6 17 177 1600 100 100 100	46000 1.4	150	# 301 1961 107 108 108 108 108 108 108 108 108 108 108	10 10 10 10 10 10 10 10 10 10 10 10 10 1	16 <b>00 -</b> 10	t coupels	3 A. S.	A A A A A A A A A A A A A A A A A A A
**************************************		100 100 200 200 200 213 213 213 213 213	200 200 210 210 210 210 210 210 210 210	100 - W	140,0753	.=.	## DELTA ME	ACTIVE 16-10 TO 16-10	100	#3019461 107 208 208 201 201 201 201 201 201 201 201 201 201	10 10 10 10 10 10 10 100 100 100 100 10	256 256 270 270 270	t coupels	234* 405 4050**	a a a a a a a a a a a a a a a a a a a
\$1.0 TO 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0 0.1 TO 0.1 0.1 TO 0.1 0.1 TO 0.1	10.0 07.3	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	100 - WI 200 300 300 300 310 310 310 310 310 310 3	100 FOCT 100	<b>2</b>	## DELTA ME	40000 2.4 1.4 VB 1272 1.2 VB 5272 0.6 V6 5.5 0.5 VB 5.5 0.6 VB 6.6 0.5 VB 6.6 0.2 VB 6.6 0.2 VB 6.6 0.3 VB 6.6 0.4 VB 6.2	1100 1100 1100 1100 1100 1100 1100 110	Figures	10 10 10 10 10 10 10 10 10 10 10 10 10 1	100 - 10 256 270 270 10 270 10 10 10 10 10 10	E compression and compression	234 235 235 235 235 235 235 235 235 235 235	a a a a a a a a a a a a a a a a a a a
### 100 1.0  1.0 10 1.0  1.0 10 1.0  0.0 10 1.0  0.0 10 0.0  0.1 10 0.0  0.1 10 0.1  0.1 1		10007-0 10007-0 100 100 100 100 100 100 100 100 100 1	200 200 200 200 200 200 200 200 200 200	100 - W	100 100 100 100	*****	## DELTA ME	ACCORD 16-10 Let 70 16-20 Let 70 16-20 Red 46 Let Red 46 Let Red 70 16-20 Red 70 16	100	#3019461 107 208 208 201 201 201 201 201 201 201 201 201 201	10 10 10 10 10 10 10 100 100 100 100 10	256 256 270 270 270	t coupels	316 600 600 600 600 600	200 110 110 110 110 110 110 110 110 110
### 100 1.0  1.0 10 1.0  1.0 10 1.0  0.0 10 1.0  0.0 10 0.0  0.1 10 0.0  0.1 10 0.1  0.1 1	10.0 07.3	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	100 - WI 200 300 300 300 310 310 310 310 310 310 3	100 FOCT 100	=======================================	SOLTA OF	ACCORD 16-10 Let 70 16-20 Let 70 16-20 Red 46 Let Red 46 Let Red 70 16-20 Red 70 16	1100 1100 1100 1100 1100 1100 1100 110	Figures	10 10 10 10 10 10 10 10 10 10 10 10 10 1	100 - 10 256 270 270 10 270 10 10 10 10 10 10	E compression and compression		200 - 2 00077.0
1.0 10 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	10.0 07.3	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	100 - WI 200 300 300 300 310 310 310 310 310 310 3	100 FOCT 100	100	SALTA OF	### 14 10 10 10 10 10 10 10 10 10 10 10 10 10	1100 1100 1100 1100 1100 1100 1100 110	Figures	10 10 10 10 10 10 10 10 10 10 10 10 10 1	100 - 10 256 270 270 10 270 10 10 10 10 10 10	E compression and compression	216 200 200 200 200 200 200 200 200 200 20	200 110 110 110 110 110 110 110 110 110
### 100 1.0  1.0 10 1.0  1.0 10 1.0  0.0 10 1.0  0.0 10 0.0  0.1 10 0.0  0.1 10 0.1  0.1 1	10.0 07.3	100 100 100 100 100 100 100 100 100 100	200 200 200 200 200 200 200 200 200 200	100 - WI 200 300 300 300 310 310 310 310 310 310 3	100 FOCT 100		SOLTA OF	ACCORD 16-10 Let 70 16-20 Let 70 16-20 Red 46 Let Red 46 Let Red 70 16-20 Red 70 16	1100 1100 1100 1100 1100 1100 1100 110	Figures.	100 STANS 100 ST	100 - 10 256 270 270 10 270 10 10 10 10 10 10	E compression and compression	234 245 245 245 245 245 245 245 245 245 24	LIGHTS OF STATE OF ST

Table 83 Incremental Gust Load Factors by Equivalent Airspeed and Altitude Mission II (Short Range Logistics)
Gross Weight Range: 125,000 to 135,000 lb.

		A.11740	1- (	10 2,	<b>***</b> /#/		6	,		ALTITUD	l - 2,600	10 %	W 1861		
1000 74CT00	1455	PONTANT.			(60015)	•••	TOTAL	L 700 FACTOR	LESS	EGNEVAL			(CROTS)		101 M
BELTA ME	india 150	190 18 200	200 10 250	230 10 300	300 16 300	370 400 40076	-	BOLTA IM	190 190	196 70 200	200 70 750	296 10 100	306 10 350	190 440 440 440 440 440 440 440 440 440 4	OELTA NE
ACOVE 1.8 1.4 TR 1.0 1.0 TR 1.4 0.8 TR 1.0 0.6 TR 0.0								40000 1.0 1.0 10 1.0 1.0 10 1.0 6.0 10 1.0 6.0 10 1.0 6.1 10 6.1 6.2 10 6.1 6.2 10 6.1 6.1 10 6.2							
9.4 '0 0.5 4.3 70 6.4 0.2 79 6.3 0.1 70 0.2	1 8 125	1 20 144	10 203	1	ıi		3 5 70 950	6.4 70 6.5 6.3 70 6.4 6.3 70 6.3 6.1 70 6.3		22 113	100 100	10	*		13 67 617
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.0 TO -0.6 -1.0 TO -0.8	*,	130	100	)9 1 2	19		**	-0.2 70 -0.1 -0.3 70 -0.2 -0.0 70 -0.7 -0.0 70 -0.0 -0.3 70 -0.0 -1.0 70 -0.0	¥	122	127 16 6 L	95 13 1	22		350 44 3
serge -fre	161-2	196.6 577.0	196.1 999.3	12.1	11.3		\$22.4 1441.0	SELEN -1.0 TIME (MIM) MACE MILES	41.3	273.4	144.2 547.1	44.3 317.1	3-1 14-9		524.3 1896.8
		ALTITUDE FOULPALE	- 5,000 MT 4J05#	- 70 - 14,0 <b>100 -</b> 10	(EMPTS)					ALTITUDE EQUEYAL			(000 FEET		
FACTOR POLYA INF	LESS Trials 130	190 70 200	200 70 230	250 16 300	300 10 307	300 146 146 1477	FORM.	FACTOR PACTOR POLTA NO	LESS Frail 190	190 10 200	200 16	250 10 300	300 10	350 460 460vt	TOTAL DOLTA DE
40001 1-0 1-0 10 1-0 1-0 10 1-0 6-0 10 1-0 6-0 10 0-0 0-0 10 0-0 0-0 10 0-0	110	100		100	160	40010	ł	48692 1.8 1.6 70 1.0 1.6 70 1.0 4.0 70 1.0 5.6 70 0.0 6.7 78 0.0 6.7 79 0.5 6.3 70 0.5 6.3 70 0.4 6.2 78 6.2	130		296	300	196	48048	•
2.0 01 4.0 4.0 27 2.6 4.0 64 1.6 4.1 94 1.0		2 15 120	1 14 40 201	1			,; 420	0.4 70 0.5 0.3 70 0.4 0.2 78 0.3		1 5 76 105	113	,			1 11 45 220
-0.3 10 -0.1 -0.3 10 -0.3 -0.4 10 -0.3	10	136	26.3 31	20			187	-4.1 10 -4.1 -4.3 10 -4.1		133	127	3			313 34
-6.4 18 -6.7 -6.6 18 -6.4 -6.6 18 -6.4 -1.0 18 -6.4 11.00 (*1.0)			•	7			13	-0.2 10 -0.2 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.0 10 -0.4 -1.0 10 -0.6 1102 1010:		1	i				ì
FIRE (PLAN)	43.5	1-45.7	1177.7	170-4			100.0 2001.0	tine into: most nices	4.1 7.15	1733.4	136.7	97.6			1454.7 2454.9
	i	PARTITION OF THE PARTIT			(CM011)					54.717490 F@L1944.1			INDIEL		
LONG SACTOR OOLTS ISE	1825 11670 198	198 60	200 10	250 70	366. 16	276	PERAL MICTAL INF	LOAD FACTOR MOLTO ME	LESS THAN LINE	196	700 10 790	250 10 105	100 10 354	)20 800 800VI	TOTAL OCLTA M
86000 1.0 1.0 10 1.0	190	344	£ <b>340</b>	346	390	450		*****	1 20	500	390	106	39.0	ABBVE	
2000 1 10 10 10 10 10 10 10 10 10 10 10 1		4 13	•				, 21	0.00 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 1.0 0.1 10 5.6 0.1 10 5.6 0.1 10 0.0	. <del>-</del>	,	,;				## ##
4.1 10 e.t		169	5.25 1 mb	1			314	440 48 474		-37	366 374				766 786
-0.5 10 -0.1 -0.5 10 -0.5 -0.6 10 -0.3 -0.6 10 -0.6 -0.6 10 -0.6 -1.3 10 -0.6		17	11	1	•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-6.2 10 -6.1 -6.3 10 -6.2 -6.4 10 -6.4 -6.4 10 -6.4 -6.2 10 -6.4 -6.3 10 -6.2 -6.3 10 -6.3		H	ì				18
SELDO -1.0 TIME EMPLES MANUEL MILES	15-4	962.9 1005.5 N.117400	977.9 9011.3	32.9 176-8 10 54-2	<b>3)</b> (1)		101.1	eficies of the state of the sta	12. r 54.6	\$155.0 \$1303.3 4431544		74.6 19.6 16.6	4 4951		******
1, den 1, den		-			(2/ <b>46</b> 15)		iti m	t god rác í ga		facia t	PERSO TE	100 - 16	******		<b>(+-</b> : 1
PACTOR DELTA OF	111	190	7% 10 146	190 190 180	300 13 300	144	M(16 N .	esta ne	1 ( )) 1-30 1-30	19	350 250	730 10 100	100 10 240	410 271 4841	MILES M
######################################		÷.	48					######################################		1			· ·		1
-4.1 14 -4.1 -4.1 15 -1.1 -4.1 15 -1.1 -4.1 15 -1.1 -4.1 16 -4.1 -4.1 18 -4.4	•	4.8					34	18.2 18 19.1 18.1 18 19.1 18.1 18 18.1 18.6 18 18.6 18.6 18 18.5 18.6 18 18.5		**					*
diche -int tive settes und decis	11.4	2497.3 2497.3	119.0				034,5 4761.4	1915 10-10 1 1916 10-10 1 1007 25-11		170.0					174.4 016.1

Table 84
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission II (Short Range Logistics)
Gross Weight Range: 135,000 lb. and Above

LOAD FACTOR PELTA MZ	LESS THÂN 150	ALTITUDE EQUIVALEN 150 TO	Y ALRSA 200 TO		100 FEET (KINSTE) 300 TO	330 430 480ve	TOTAL DELTA M2	loag Pactor Delta me	L635 THOM	AL/ETUBI EQUIVALI 190 70			300 TO	350 AMD	TOTAL DELTA NZ
A4046 1.6 1.4 FO 1.8 1.6 FO 1.7 0.6 TO 1.9 0.6 TO 0.6 0.5 FR 0.6 0.4 TO 0.5 0.7 TO 0.4	2	20¢	250	360	350	ARCYE	12	ABOVE 1.8 1.4 Yú 1.8 1.6 TO 1.4 0.6 TO 1.6 0.5 TO 0.6 0.5 TO 0.6 0.7 TO 0.7 0.7 TO 0.7	154	•	4 10	,	190	Addre	4 19
0.1 70 0.2 -0.2 70 -0.1 -0.3 70 -0.3 -2.4 70 -0.5 -0.6 70 -0.4 -0.0 70 -0.6 -1.0 70 -0.6 -1.0 70 -0.6	44 26 2	56 45 6 1	•				100 77 8 1	-0.2 TO -0.2 -0.2 TO -0.2 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.6 -1.0 TO -0.6 28100 -1.0	21	76 65 3	27 30 9 3	3			131 106 13 3
TIME (MIN) MAUT MILES	57.3 151.4	90.2 272.2	13.3 47.4	0. 5 2. 0			741.3 473.2	MAUT MILES	11.5 27.1	122.6 397.0	49.4 194.3	5.0 14.0			103.7
		ALTETUDE									- 10,500				
LUAU PACTOR	LESS	150	200	250	300	350	TOTAL	LGAD FACTOR	LESS	120 CONTANTE	NT AIRSPE 200	250	200	350	TOTAL
DELTA MZ ABOVE 1.8	TMAM 150	562	10 250	70 300	10 350	ARCVE	DELVA MZ	DELTA ME	196N	500 16	16 290	70 300	70 356	AND	BELTA NZ
1.4 FQ 1.6 1.0 TO 1.4 0.0 TO 1.6 0.4 TO 0.8 0.5 TO 9.6 0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3		,	ž 6	1			i 2 15	1.4 TD 1.6 1.6 TD 1.4 9.8 TD 1.6 0.6 TO 0.6 0.4 TO 0.6 0.4 TO 0.5 0.3 TO 9.4 0.2 TD 0.3							_
0.1 10 0.2		99	16	3			133	0.1 10 0.2		•	14	1			20
-0.2 10 -0.1 -0.3 70 -0.2 -0.4 70 -0.3 -0.6 70 -0.4 -2.0 70 -0.6 -2.0 70 -0.6 -2.0 70 -0.6		1	10	5 3 1			150 25 6	-0.1 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.6 -0.8 TO -0.6 -1.9 TO -0.3 -0.6 TO -0.3		ï	15				22 1 1
TIME IMINI MAUT MILES		221.3 741.0	58.4 235.1	3.7 17.0			263.4 -993.6	TIME IMIN)	14.0	930.2	51.1 391.5	7, 5 30, 6			372.7 372.2
		EGUIVALEN			OO FEET					EGNIANTE:	+ 20,000 97 AIRSPE		(KMDTS)		
LDAD FACTOR DELTA NZ	LESS	150 TO	200 TO	250	309 10	150 AND	TOTAL SELTA NE	LUAD FACTOR	LEST	150	200	250	300	350	TOTAL
ABOVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.6 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.4	156	200	250 250 2 4 13 71	360	350	ABOVE	2 4 17 97	OBLIA ME  ABOVE 1.8 1.4 TO 1.4 1.0 TO 1.4 0.8 TO 1.0 0.8 TO 0.8 0.5 TO 0.6 0.4 TO 0.6 0.7 TO 0.7 0.7 TO 0.7	196	10 200 5	70 250 1	10 300	35 <b>0</b>	ABOVE	DELTA MZ
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 16 -0.3 -0.1 10 -0.4 -0.2 10 -0.6		19 5 1	69 13 2 1				66 18 3 1	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6		53 5 1	26 2 1				79 7
-1.0 TO -0.0 SELOW -1.0 TEME (MIN) NAUT HILES	19.1 61.7	373-6 1415-4   ALTITUDE -	4.7.6 944.2 25,000	5.3 29.5 10 30,0	00 FEET		805.6 345p.8	-1.0 TO -0.0 PELOW -1.0 TIME (MIN) NAUT MILES	8.0 32.1	537.4 2414.7	712.2 2472.5				1297.4 5919.3
LOAD FACTOR	LESS	EQUIVALEM!	ALRSPE 200	290 - VE	1840TS1 300	350	TOTAL						•		
DELTA ME	190	200 10	70 250	7G 300	07 350	AND	DELTA MZ								
ASOVE 1.8 1.4 TO 1.4 0.0 TO 1.0 0.6 TO 0.6 0.5 TO 0.6 0.4 TO 0.9 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.4	•		7				,								
-0.2 TO -0.1 -0.3 (C -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.6 TO -0.4 -1.0 TO -0.4 -1.0 TO -0.4		ı	•				5				٠				
TIME (MIN) NAUT MILES		424.0 690.3	114.5 613.0				242.4 1263.7								

Table 85
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)
Gross Weight Range: Below 85,000 lb.

LOAD FACYOR BELTA NZ	LESS THAM 190	ALTITUDE EQUIVALEN 190 TQ 200		-	30 FEET (KNOTS) 300 35 10 An 350 And	C DELTA NZ	LOAD FACTOR DELTA M2	LESS THAN 190	500 10 120 EGNTANTEN		EED - VE IKNC	OTS) TOTAL DO 350 TO AND DELTA NE
ABOVE 1.8 1.4 TO 1.8 1.6 TO 1.0 6.5 TO 6.8 6.5 TO 6.8 6.4 TO 6.5 6.3 TO 6.4 6.2 TO 6.3	2	1 14				3 20	ABOVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.0 0.6 TO 0.8 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.4		•	•-		•
0.1 70 0.2	14 94	ŝ	8			26 155	0.1 70 0.2	27	5			35
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.8 BELOW -1.0	2	50 4 4	2			116 13	-0,2 70 -0.1 -0.3 T0 -0.2 -0.4 T0 -0.3 -0.6 T0 -0.4 -0.9 T0 -0.8 -1.0 T0 -0.8 -1.0 T0 -0.8	19	5			24 6 1
TIME CHIM? NAUT MILFS	55.8 124.3	34.5 98.1	10.3 39.4	0.5 2.0		105.2 261.0	TIME (MIL) NAUT MILES	14.2 31.5	14.9	7.9 30.6		39.9 109.8

Table 86
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)
Gross Weight Range: 85,000 to 95,000 lb.

LOAD FACTOR DELTA NO 480VE 1.8 1.4 TO 1.4 0.6 TO 1.0 0.6 TO 0.8 0.5 TO 0.8 0.4 TO 0.5	LESS THAR 190	154 TQ 200 5 13	AT AIRSM 200 TO 256	250 10 100	00 FFET (MMTS) 300 TG 250	350 AMB ADDIVE	TOTAL SELTA ME S 28 28 182 900	LOAD FACTOR DELTA NZ ANDYE 1.8 1.4 TO 1.8 1.6 TO 1.4 6.8 TØ 1.0 6.5 TO 6.6 6.5 TO 6.6	LESS THAM 190	200 150 150 200 200 200	2,000 NT AIRSF 200 TO 250 250	296 296 70 309	000 FEET (EMOTS) 300 TO 313	350 AMD AMDVE	TOTAL DELTA MZ
0.3 TG 0.4 0.2 TG 0.3 0.1 TO 0.2	199 1323 8656	327 1602 6617	62 243 1073	2 13			3177 14379	0.3 TO 9.4 9.2 TO 0.3 9.1 TO 0.2	20 135 1047	120 676 3610	519 2399	÷			224 1322 7313
-9.2 TO -0.1 -8.3 TO -0.2 -6.4 TO -0.3 -6.4 TO -0.4 -6.8 TO -6.4 -1.0 TO -6.6	8638 1254 170 30 1	6732 1316 244 34 1	1016 233 40 7	21 - 1			16407 2005 456 71 2	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.6 TO -0.6	1071 107 22 1	4114 499 101 14	2356 447 92 26	40 15 6			7601 1208 221 42
GELOW -1.G TIPE (MIM) NAUT MILES	4409.8 10113.4	2701.0 7407.5	366.5 1200.0	4.0			7561.3 10830.6	BELOW -1.0 TIME (MIN) MAUT MILES	1516.5 3721.4	3329.9 9 <b>09</b> 5.4	1472.6 5565.1	34.0 150.5	0.1 0.5		4353.1 19333.4
FACTOR FACTOR ORLIA #2 480VE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.0	LESS 1480 150		E - '5,000 ENT ALRSP 200 10 250	TO 10,6 BED - VE 250 TO 300	100 FEET (KHDTS) 300 TO 350	350 A40 A6GYE	TOTAL DELTA MZ	LOAD FACTOR DELTA NZ ABOVE 1.0 1.4 TG 1.0 1.0 TG 1.4 0.0 TG 1.4	LESS THÁN 150	ALTITUDE 190 10 200		: TO 15,0 689 - VE 258 TO 300	100 FEET (KKDTS) 300 TO 350	350 140 440/42	TOTAL BELTA ME
0.5 TC C.4 0.4 TO 0.5 0.3 TO 0.4 0.2 TO C.3	:	4 4 19	4 10 57	ı			16 83	0.5 TO 0.6 0.4 TO 0.5 9.3 TO 0.4 0.2 TO 0.3		2 1 1	;				3 3 10
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.8 TO -0.4 -1.0 TO -0.8	15 1 1	135 170 19 4 3	343 315 35 13 2	ì			516 507 76 18 5	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6		45 30 13 4 2	45	•			70 23 6 3
TIME (MIM) NAUT HILES	104.7 271.5	\$83.5 1900.2	207.4 1155-2	40.6 180.0	1.1		1014-5	DELOW -1.0 TIME (MIM) MAUT MILES	96.1 259.4	899.3 855.3	122.2	4.5	1.1		404.4 1743.6
104D F4CT0R DELTA RE 1.4 TO 1.0 1.6 TO 1.4 4.8 10 1.4 4.6 TO 0.0 4.5 TO 0.0 4.5 TO 0.0 4.5 TO 0.0 4.5 TO 0.0 4.5 TO 0.0 4.5 TO 0.0	LESS THAM 15G	300 10 10 136 CONTANTS	200 10 230 230	TD 20,0 EED - VE 250 TD 300	100 FEET 486375) 300 FO 350	250 AND ABOVE	TOTAL DELTA MZ	LOAD FACTOR PRITA NZ ABOVE 1-0 1-0 TO 1-0 0-0 TO 1-0 0-0 TO 1-0 0-0 TO 0-0 0-0 TO 0-0 0-	Less Than 130	Seo 10 120 F20 Ben:AVE	NY A1935 200 TO 250	: TG 25,0 460 - VE 250 10 300	200 FEET (KNOTS) 200 TO 380	310 ANP ADDISE	TOTAL BOLTA MI
-0.3 TO -0.1 -0.3 TO -0.3 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.4 -0.4 -0.4 TO -0.4 -0.4 -0.4 TO -0.4 -0.4 -0.4 TO -0.4 -0.4 -0.4 TO -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4	6.2 21.6	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	34.4 178.5	2: 3 12: 7			139-2 361-6	-0.2 TO -0.1 -0.3 TS -0.2 -0.4 TS -0.3 -0.6 TS -0.4 -0.3 TO -0.4 -0.3 TO -0.6 -1.0 TO -0.6 71 TS (MICC) MANY NILCS	0.7 2.6	100.7 610.3	01-4 417-4				242.0 1003.7

Table 87
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)

Gross Weight Range: 95,000 to 105,000 lb.

		AL"ITUD		-	000 FEET			.=		ALT I TUD	E - 2,000		COO FEET		
LGAD FACTOR WELTA NO	LESS	199	200 TO 250	250 70 300	300 10 350	350 640 480YE	JATAL DELTA NE	LOAD FACT <b>OR</b> DELTA MZ	LESS	150	206 10	259	300 TO	350 440	TOTAL DELTA M2
480VE 1.8 1.4 70 1.8 1.0 10 1.4 0.8 10 1.0	150	300	290	300	350	ABOVE		400 £ 1.0 1.4 TO 1.6 1.4 TO 1.4 0.8 TO 1.0	190	544	250	10	350	ARCVE	1
0.4 10 0.8 0.5 10 0.4 0.4 15 6.5 0.3 10 0.4 0.2 10 0.3 0.1 10 0.2	10 52 336 2363 13075	8 18 78 436 2464 11009	16 05 298 1112 2968	1 2 3 24 07 246			15 46 210 1804 5000 20150	0.6 10 0.6 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.2	2 3 45 263 217(:	3 6 35 223 1116 6720	3 22 50 201 1317 5217	1 1 20 50 230	1 1 10 21		92 95 98 989 2794 1)364
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6	14199 1974 245 31 1	11297 2059 376 76 3	3320 962 227 50 5	250 54 12 1			29654 5851 860 164	-0.2 TO -0.1 -0.3 TO -6.2 -0.4 TO -0.3 -0.6 TO -0.6 -0.4 TO -4.6 -1.0 TO -0.8	2226 207 43 7	6492 1873 186 43	\$1\$4 121\$ 270 42	208 40 17 1	10		1 )200 2655 527 146
DELOW -1.0 TIME (MIM) MAUT MILES	6373.9 19129.3	9537.3 15190.3	1569.7 5776.6	67.4 297.3	0.3 1.6		15548.4	TIME (SIM) WANT MILES	2041.5 7004.8	7214.6 21441.4	2593.0 9729.4	72.0 327.0	5.3		12724-3
		ALT LTUDE			COMPET					ALT ITUOE	000,000 - 1 M2814 TM		1337 000 (210%)		
LUAD FACTOR	LESS	150	200	250	300 10	330	TOTAL	FACTOR	LESS	150	\$00	250	760	350	TOTAL
DELTA NE	1130	200	70 250	300	10 350	AMO	DELTA MZ	OELTA MS	150	70 200	70 250	300	350	VBCAE	DELTA ME
1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.6 Td 8.8 8.5 70 8.4 0.4 TO 8.3 0.3 TO 8.4	3	1 1 3 13	4 24 442	1			1 2 7 37 129	1.4 TO 1.8 1.0 TO 1.0 0.8 TO 1.0 0.6 TO 0.8 0.3 TO 0.6 0.4 TO 0.3 0.3 TO 0.4	1	7 73	5 46 447	· •			3 54
0.1 TO 0.2 -0.2 TO -0.1	2	400	417	30 1.9			880 850	-6.2 (0 -4.1		63	432	1			541 517
-0.3 TO -0.2 -0.4 TO -0.3 -0.4 TO -0.4 -0.8 TO -0.4 -1.0 TO -0.8 96100 -1.0	2	10	41				107 21 4	-0.9 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.4 TO -0.6 -1.0 TO -0.8 SELOW -1.0		•	32 6 1				1
DELOW -3.0 TIME (MIN) MAUT MILES	345.4 14 <b>54.0</b>	1920.5 12979.8	1271 - 1 9040 - 0	112.1	2.3 12.7		5071.3 29035.1	TIME (MIN)	285.1 753.6	5-7345 5-0345	1627.2 7174.5	43.4 219.5	2.2		4161.4
		ALTITUDE	- 15,00C	TO 20,0	00 FEET					ALTITUDE	- 50,000	70 24,6	C00 PEFT		
LQAD		CONTANTE			(KNSTS)		TOTAL	LGAD		EQUIVALE			(MMOTS)		TOTAL
FACTOR DELTA MZ	LE35 IH4H 130	150 10 280	200 10 230	290 TO 300	300 70 350	* AGAE THD 320	DELTA MZ	FACTOR DELVA ME	LESS THAM 150	150 70 200	200 TO 250	250 TO 320	300 10 350	350 AND AGOVE	DELTA NZ
ABOVE 1.8 1.4 TG 1.8 1.0 TG 1.4 0.9 TG 1.4 0.5 TG 0.8 0.5 TG 0.8 0.3 TG 0.4 0.2 TG 0.1 0.1 TO 0.2	 .i	8 30 193 ,	3 0 120	3		6,000	13 40 330	AGOVÉ 1.8 1.4 TO 1.4 1.6 TO 1.4 0.8 TO 1.0 0.4 TO 0.8 0.5 TO 0.3 0.1 TO 0.3 0.1 TO 0.3		127	1 3 17				1 24 250
-0.2 TO -0.1 -0.3 TO -0.2	3	189	141	•	•		333	-4.2 10 -4.1	14	163	48 17				245
-0.4 TO -0.1 -0.6 TG -0.4 -0.8 TG -0.6 -1.6 TO -0.8	•	ï	1				32	-0.3 TO -0.2 -0.4 TG -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.6 ACLOW -1.0	•	•	•;				**
TIME (MIN)	349.9	1152.7	4167.4	16.1 88.5	2.4		2169.4 9185.4	TIME (MIN)	41.2	1056.¢ 4544.3	105.5	2.7			2008.0
			- 35,000								- 30,000				•
LG40 F4CTOR	LESS	120 SOUTANTE		530 FD - AE (	14MDTS )	356	TOTAL	LUAD FACTOR	LESS	150	345 TM 200	250 - VE	300	350	TOTAL
SM ATJRO	IMAN 194	10 10	290 70 200	70 300	10 358	A6070	DELTA ME	BELTA MI	THAM 150	70 206	10 250	10 300	10 350	AND	06LTA M4
ABOVE 1.4 1.4 10 1.4 1.6 10 1.4 0.6 70 1.9 0.6 10 0.8 0.5 10 0.4 0.4 10 0.5 0.8 10 0.5 0.8 10 0.5		,	27				<b>20</b>	ABOVE 1.6 1.4 10 1.5 1.8 10 1.5 6.8 10 1.0 9.6 10 0.0 6.5 10 0.5 6.3 10 0.5 6.2 10 0.3 0.1 10 0.2		13					13
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.6 10 -0.8		ť	33				**	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.6 -1.0 10 -0.6		2					ž
SELON -1.0 Time intel NAME HILES	30.0	365.7 1099.4	365.7 3554.2				499.5 3529.7	effon -1.0	14.7	75.3 3 <b>9</b> 6.0					****

Table 88 Incremental Gust Load Factors by Equivalent Airspeed and Altitude Mission III (Training)
Gross Weight Range: 105,000 to 115,000 lb.

		ALT LTUO	e - c	TO 2,	000 FEET					ALTIYUM	- 2,000	10 5,	eco FEET		
LOAD		6001AV	ENT ALRSP	610 - A	(EMOTS)		TOTAL	LOAD		EMITAL	MI TURS	CED - 48	(40975)		TOTAL
FACTOR DELTA NZ	LESS THAN 150	150 10	100 10	290 10 300	305 TO	150 AMD AMOVE	DELTA NZ	FACTOR DELTA NZ	LESS	190 78	200 78	290 TO 300	300 10	350 AND	DELTA NZ
ABOVE 1.8 1.4 TG 1.6	150	200	290	349	350	ANOVE		ABOVE 1.8 1.4 TO 1.8	190	300	250	340	350	AROVE	
1.6 10 1.4							_	1.0 TD 1.4							
0.6 TO 0.8 0.5 TO 0.6 0.6 TO 0.5		20	27	1 3			2 11 67	6.6 70 6.3 6.5 TO 6.6 6.4 TO 6.5		13	1	1			30
0.3 TO 0.4 0.2 TO 0.3	32 275	204 202	79 300	. 35 • <b>9</b> 1			244 1242	0.3 TO 0.4 0.2 TO 0.3	13	34 234	43 292	21	1		9 <u>1</u> 566 3039
0.1 10 0.2 -0.2 TD -0.1	1931	2646	1877 1847	219 223			6743 6867	-0.2 TO -0.1	264	1520 1 <b>56</b> 6	1102	156	3		3039 2937
-0.3 10 -0.3	33 256	439 97	349	74 29			1124 225	-0.3 TO -0.2 -0.4 TO -0.3	24	229 33	214 33	29	•		494 72
-0.6 TO -0.6 -0.8 TO -0.6 -1.8 TO -0.8	3	39	522	3			42	-0.6 TO -0.4 -9.8 TO -0.6 -1.0 TO -0.8		i	13	2			30
BELOW -1.0 TIME (MIN)	1495.5	1519.3	632.5	47.4			3994.7	DELOW -1.0	365-1	2495.1	1008-1	73.6	1.4		4023.4
MANT MILES	\$315.0	4002.7	3004.7 E - 5,00C	200.3 TO 10.0	900 FEET		11612.5	MAUT MILES	106.1	7718.0 ALTETUDE	4129.9	333.3 TO 15.	7.7 000 FEET		13006.5
LGAO		CONTANT			(KMOTS)		TOTAL	LGAD		CONTANT	MT ALASP	660 - VE	1410151		TOTAL
FACTOR DELTA NA	LESS	19 <del>0</del> 70	200 10	250 70 300	300 12	390 AND ABOVE	SELTA NZ	FACTOR DELTA NZ	LESS	150 10	200 TO	955 07	300 TO	350 AND ABOVE	DELTA NE
ABOVE 1.0	150	500	250	300	350	ABOVE		ABOVE 1.0 1.4 TO 1.8	150	200	250	300	350	PAGAE	
1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.0								1.0 TO 1.4							
0.4 TO 0.8								0.5 TO 0.0 0.5 TO 0.6 0.4 TO 0.5							
0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3	,	2	1				3 16	0.3 TO 0.4 0.3 TO 0.3			2				z
9.1 TO 9.2	2	113	44	2			145 178	-0.2 70 -0.1		12	13	11 10	3		36 53
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3	•	135	63 1 1	i			16	-0.3 TO -0.2 -0.4 TO -0.3		••	7	••	•		7
-0.4 TO -0.4 -0.8 TO -0.6 -1.0 TO -6.8			1				1	-0.4 70 -0.4 -0.8 TO -0.6 -1.0 TO -0.8							
BELOW -1.4 TIME (MIN)	112.1	1434.0	448.5	26.5			3031-1	8F'OU -1.8 Ting (Min)	50.7	190.5	444.4	14.4	•.•		1110.0
MAUT SITES	287.5	4756.7	1784.7	125.8			6984.7	MAUT MILES	141.9	2004.5	5052.5	77.4	2.5		4335.4
		A1 T 1 THOS	- 15.000	70 30-1						ALTITUM	- 28.58C	TO 25.0			
		ALT ITUGE	: - 15,000 MT AIRSP		HOD PEET					ALTITUDE EQUIVALE	- 20,00C	70 25,0 28 - <b>VE</b>	OO FEET		
LGAB PACTER BELVA ME	LESS THAN	EGUTVALE	MT AIRSP	160 - VE 250	(RMOTS)	350 480	TOTAL	LOAD FACTOR DELTA M2	LESS TICAN	EQUIVALE:	IT ALRSPE	250 - VE	(KMSTS)	350	TOTAL OSLTA ŠI
PACTOR DELVA MA ABOVE L.E	LESS THAM 190			160 - VE		350 400 400'4E		FACTUR DELTA RZ AGOVE 1.8	LESS TICAN 150	EGNIANTE	IT ALRSPE	18 - W	(KNGTS)	350 AND ABOVE	TOTAL Delta År
PACTOR DELYA MI ABOVE 1.5 1.4 TO 1.0 1.0 TO 1.4	THE	EGUTVALE	MT AIRSP	160 - VE 250	(RMOTS)	350 480 400VE		FACTOR DELTA M2 ABOVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0	LESS TIMM 150	EQUIVALES 190 70	T AIRSPE 200 TO	250 70	(KNCTS) 300 70	350 AND ABOVE	
PACTOR DELYA MI ABOVE 1.5 1.4 TO 1.0 1.0 TO 1.4	THE	EGUTVALE	MT AIRSP	160 - VE 250	(RMOTS)	350 400 400VE		FACTOR DELTA M2  ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.4 0.8 TO 1.6 0.1 TO 0.6 0.5 TO 0.6	LESS TRAM 150	EQUIVALES 190 70	T AIRSPE 200 TO	250 70	(KNCTS) 300 70	350 AND ABOVE	
FACTOR DELYA MI ABOVE 1.5 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.6	THE	130 10 200 200	MT AIRSP	160 - VE 250	1000TS) 300 TG 350	350 480 400VE	98LTA NE:	FACTURE DELTA 02 AGOVE 1.0 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 0.6 0.3 TO 0.6 0.3 TO 0.6 0.3 TO 0.6 0.3 TO 0.7 0.7 TO 0.7 0.7 TO 0.7	LESS TIGM 199	190 TO 200	AIRSPE 200 TO 200 200	250 70	(KNCTS) 300 70	350 AND ABOVE	
PACTON OFLYA ME ABOVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.4 TO 0.6 0.4 TO 0.6 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.6 0.2 TO 0.3 0.1 TO 0.3	190	17 10 200 10 10 10 10	200 T0 290 290 3	160 - VE 250	(EMOTS) 300 70 350	350 400 400 40046	1 20 20 20	PACTOR OCITA ME ASOVE 1.8 1.4 TO 1.8 1.6 TO 1.4 0.8 TO 1.0 0.1 TO 0.6 0.5 TO 0.6 0.4 TO 0.5 0.1 TO 0.5 0.1 TO 0.5 0.1 TO 0.5	LESS TICAM 150	EQUIVALED 150 TO 200	11 A1RSP( 200 70 210	256 70 300	(KNCTS) 300 70	350 AND ABOVE	OELTA ÁZ 4 91
PACTOR OBLIVA ME  ABOVE 1.E 1.4 TO 1.0 1.0 TO 1.4 0.9 TO 1.0 0.4 TO 0.6 0.3 TO 0.6 0.3 TO 0.6 0.3 TO 0.4 0.2 TO 0.3 0.2 TO 0.3 0.2 TO 0.3 0.3 TO 0.2 0.3 TO 0.3 0.3 T	1100 .	130 10 200 1 1	200 10 200 200 30 200	160 - WE 250 10 300	1000TS) 300 TG 350	350 AND ADEVE	98LTA NE:	PACTOR DELYA ME ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.9 1.0 TO 1.0 0.3 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.3 0.1 TO 6.2 -0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.3 -0.6 TO -0.3 -0.6 TO -0.6	LESS Train 150	190 TO 200	AIRSPE 200 TO 200 200	250 TO 300	(KNCTS) 300 70	359 AND ABOVE	DELTA ÁZ
PACTOR OBLIVA ME  ABOVE 1.E 1.4 TO 1.0 1.0 IO 1.4 0.9 TO 1.0 0.4 TO 0.6 0.3 TO 0.6 0.3 TO 0.6 0.3 TO 0.4 0.2 TO 0.3 0.3 TO 0.4 0.2 TO 0.3 0.3 TO 0.4 0.4 TO 0.5 0.5 TO 0.6 0.6 T	190	136 170 200 1 1 17 230 213	200 250 3 50 67 1	160 - WE 250 10 300	(EMOTS) 300 70 350	390 AND ABOVE	1 20 20 20 20 20	FACTOR DELYA ME  ABOVE 1.8 1-4 TO 1.9 1-6 TO 1.9 1-6 TO 1.9 6-8 TO 1.9 6-8 TO 9.6 8-9 TO 8.6 8-9 TO 8.6 8-1 TO 8.6 8-2 TO 8.7 8-3 TO	LESS Train 199	150 TO 200 4 47 72	11 A1RSP( 200 70 210	256 70 300	(KNCTS) 300 70	350 AND ABOVE	OELTA ÁZ 4 9L 70
PACTEM OELYA ME ABOVE 1.5 1.4 TO 1.8 1.0 TO 1.4 TO 1.4 TO 1.5 1.0 TO 1.4 TO 1.5	2 6 31-1	134 10 200 200 1 1 17 230 213	200 T0 200 200 200 200 200 47 1 1	250 - VE 250 100 300 1	16.00TS) 300 TG 350	350 AND ADEVE	1 20 201 7 1	PACTOR  OBLYA ME  ABOVE 1.8  1.4 TO 1.9  1.0 TO 1.9  0.0 TO 1.0  0.3 TO 0.6  0.4 TO 0.6  0.2 TO 0.3  0.2 TO 0.3  -0.2 TO -0.1  -0.3 TO -0.2  -0.4 TO -0.3  -0.4 TO -0.4  -0.0 TO -0.4  -0.0 TO -0.4  -0.0 TO -0.4  -0.0 TO -0.4	159 150	150 150 170 200 4 4 47 72 4 2	200 70 70 210 210 210 210 210 210 210 210 210 21	259 - VE 259 10 300 1	(KNCTS) 300 70	350 AND ABOVE	06LT4 Á2
PACTOR  OBLYA MZ  ABOVE 1.E 1.4 TO 1.e 1.0 TO 1.e 0.0 TO 1.e 0.0 TO 1.e 0.1 TO 0.6 0.7 T	190 -	130 10 200 17 17 200 213 6	300 T0 200 200 200 200 30 67 1 1	160 - VE 250 70 300 1	100 100 10 350 2 3	350 400 400 400 400	20 20 20 20 20 1	FACTOR DELTA RE ABOVE 1.8 1.0 TO 1.9 1.0 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.5 0.1 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO 0.3 0.4 TO 0.3 0.5 TO	TISM 150	150 78 200 4 47 72 4 2	200 70 70 210 210 210 407.4 407.4 3406.7	250 - VE 250 70 300 1 1 1	300 TO 350	350 AND ABOVE	OELTA ÁZ OL TO 2
PACTEM OELYA ME ABOVE 1.5 1.4 TO 1.8 1.0 TO 1.4 TO 1.4 TO 1.5 1.0 TO 1.4 TO 1.5	2 6 31-1	136 10 200 200 17 230 213 30 213 30 213 30 213 4	300 T0 200 T0 200 30 50 67 1 1 1 2003,2	250 - VE 250 70 300 1	2 2 3 1.1 7.2 00 /CET	339 AND ADEVIE	1 20 205 201 7 1 1037.0 6380.2	PACTUR DELVÁ ME ABOVE 1.8 1.4 TO 1.9 1.6 TO 1.4 6.8 TO 1.4 6.5 TO 6.6 6.3 TO 6.5 6.3 TO 6.5 6.3 TO 6.5 6.3 TO 6.3 6.1 TO 6.2 6.3 TO 6.3 6.1 TO 6.4 6.1 TO 6.4 6.3 TO 6.4 6.4 TO 6.4 6.4 TO 6.4 6.5 TO	159 150	150 78 200 4 47 72 4 2	200 70 70 210 210 210 407.4 407.4 7 - 30,00c	250 - VE 250 TO 300 1 1 1 1 70-1 70-1	300 TO 350	350 AND ABOVE	06LTA ÁZ 4 91 70 4 2 2 1303.4 7110.6
PACTEM PACTEM DELYA ME ABOVE 1.5 1.4 TO 1.8 1.0 FO 1.4 TO 1.4 TO 1.6 E.4 TO 8.6 E.4 TO 8.6 E.4 TO 8.5 E.4 TO 8	150	130 10 200 213 230 213 30 213 4 735-6 3012-2	990 AIRSP(	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 205 201 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PACTUR DELYA M2 ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.4 0.0 TO 1.4 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.3 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO 0.3 0.5 TO	36.3 129.6	150 70 200 4 47 72 4 2 770.0 3448.4 4.111408.	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	06LT4 ÁZ 4 91 70 2 2 1303.4 7110.6
PACTON DELYA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.4 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.2 1.0 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO	2 6 31+1 102-2	136 10 200 200 17 230 213 30 213 30 213 30 213 4	300 T0 200 T0 200 30 50 67 1 1 1 2003,2	250 - VE 250 70 300 1	2 2 3 1.1 7.2 00 /CET	350 AND ARTYE 350 ACTO ACTO ACTO	1 20 205 201 7 1 1037.0 6380.2	FACTOR DELTA NO ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.9 1.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.7 0.8 TO 0.7 0.8 TO 0.8 0.8 TO	30.3 110.6	150 78 200 4 47 72 4 2 770.0 3448.4	200 70 70 210 210 210 407.4 407.4 7 - 30,00c	250 - VE 250 TO 300 1 1 1 1 70-1 70-1	100 TO 350 TO 35	350 AND ABOVE	06LTA ÁZ 4 91 70 4 2 2 1303.4 7110.6
PACTON DELYA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.4 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.2 1.0 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO	150	130 10 200 213 230 213 30 213 4 735-6 3012-2	990 AIRSP(	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 205 201 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTUR DELTA RE  ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.5 0.1 TO 0.2 0.2 TO 0.1 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.3 0.3 TO	36.3 129.6	150 70 200 4 47 72 4 2 770.0 3448.4 4.111408.	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	06LT4 ÁZ 4 91 70 2 2 1303.4 7110.6
PACTON DELYA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.4 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.2 1.0 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO	150	130 10 200 213 230 213 30 213 4 735-6 3012-2	200 TB 20	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 200-2 1 1 1 200-2 1 1 1 200-2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTUR DELTA RE  ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.5 0.1 TO 0.2 0.2 TO 0.1 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.3 0.3 TO	36.3 129.6	150 70 200 4 47 72 4 2 770.0 3448.4 4.111408.	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	06LT4 ÁZ 4 91 70 2 2 1303.4 7110.6
PACTON DELYA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 0.0 TO 1.0 0.4 TO 0.6 0.5 TO 0.6 0.5 TO 0.6 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.4 TO 0.3 0.1 TO 0.2 1.0 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.4 TO	150	136 70 200 1 17 200 213 6 715.6 3042.2 ALTITUDE	200 TB 20	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 200 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTUR DELTA RE  ABOVE 1.8 1.4 TO 1.9 1.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.5 0.1 TO 0.2 0.2 TO 0.1 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.3 0.3 TO	36.3 129.6	150 70 200 4 47 72 4 2 770.0 3448.4 4.111408.	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	06LT4 ÁZ 4 91 70 2 2 1303.4 7110.6
PACTEM PACTEM OBLIVA ME ABOVE 1.E 1.4 TO 1.8 1.0 FO 1.4 OL TO 1.6 0.5 TO 0.6 0.4 TO 0.5 TO 0.6 TO 0.5 TO 0.6 TO 0.5 TO 0.6 TO 0.5 TO 0.6 TO	150	136 70 200 11 17 200 213 6 735.6 3012.2 ALVITUSE 190 100	300 TB 250 TB 25	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 212 21 21 21 21 21 21 21 21 21 21 21 21	PACTOR  DELTA RE  ABOVE 1.0  1.0 TO 1.0  1.0 TO 1.0  0.0 TO 1.0  0.5 TO 0.6  0.5 TO 0.5  0.1 TO 0.2  0.1 TO 0.2  0.2 TO 0.3  0.1 TO 0.2  0.2 TO 0.3  0.1 TO 0.2  0.4 TO 0.3  0.1 TO 0.2  1.0 TO 0.3  0.1 TO 0.2  1.0 TO 0.3  1	36.3 129.6	150 70 200 4 47 72 4 2 770.0 3448.4 4.111408.	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	06LT4 ÁZ 4 91 70 2 2 1303.4 7110.6
PACTEM PACTEM OBLIVA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 O.U TO 1.0 TO 1.0 O.U	150	200 200 200 200 200 200 200 200 200 200	200 TB 250 250 250 250 250 250 250 250 250 250	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 293 291 29 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PACTOR  DELTA RE  ABOVE 1.0  1.0 TO 1.0  1.0 TO 1.0  0.0 TO 1.0  0.5 TO 0.6  0.5 TO 0.5  0.1 TO 0.2  0.1 TO 0.2  0.2 TO 0.3  0.1 TO 0.2  0.2 TO 0.3  0.1 TO 0.2  0.4 TO 0.3  0.1 TO 0.2  1.0 TO 0.3  0.1 TO 0.2  1.0 TO 0.3  1	36.3 129.6	190 190 190 200 4 47 72 4 2 2 2 2 2 4 2 2 4 2 2 100 8 4 111000 8 100 100 100 100 100 100 100 10	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	TOTAL BELTA WI
PACTEM PACTEM OBLIAN ME ABOVE 1.E 1.4 TO 1.8 1.0 FO 1.4 TO 1.6 C.4 TO 1.6	150	136 70 200 11 17 200 213 6 735.6 3012.2 ALVITUSE 190 100	200 TO 20	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 200 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FACTUR  DELTA RE  ABOVE 1.8 1.4 TO 1.9 1.6 TO 1.4 6.0 TO 1.0 6.0 TO 1.0 6.0 TO 1.0 6.1 TO 6.2 6.2 TO 6.2 6.2 TO 6.2 6.2 TO 6.2 6.3 TO 6.2 6.3 TO 6.2 6.3 TO 6.3 6.1 TO 6.3 6.1 TO 6.3 6.3 TO 6.3 6.4 TO 6.3 6.5 TO 6.3 6.5 TO 6.3 6.6 TO 6.3 6.7 TO 6.3 6.3 T	36.3 129.6	190 190 190 200 4 47 72 4 2 2 2 2 2 4 2 2 4 2 2 100 8 4 111000 8 100 100 100 100 100 100 100 10	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	TOTAL BELTA WI
PACTEM PACTEM OBLIVA ME ABOVE 1.E 1.4 TO 1.8 1.0 TO 1.4 O.U TO 1.0 TO 1.0 O.U	150	136 70 200 12 17 200 213 5 715.6 213 5 44717494 19017445 100 200	200 200 70 70 70 70 70 70 70 70 70 70 70 70 7	160 - VE 250 70 300 1 1	2 2 3 1.1 7.2 00 /CCT (COMPTS)		1 20 20 20 20 20 20 20 20 20 20 20 20 20	FACTOR DELTA RE ABOVE 1.8 1.0 TO 1.9 1.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.6 0.5 TO 0.5 0.1 TO 0.5 0.1 TO 0.2 0.2 TO 0.3 0.1 TO 0.2 0.3 TO 0.3 0.1 TO 0.2 0.3 TO 0.3 0.1 TO 0.3 0.3 TO 0.3 0.3 TO 0.3 0.4 TO 0.5 0.3 TO 0.4 0.5 TO 0.5 0.3 TO 0.5 0.5 TO	36.3 129.6	190 190 190 200 4 47 72 4 2 2 2 2 2 4 2 2 4 2 2 100 8 4 111000 8 100 100 100 100 100 100 100 10	200 70 70 210 210 210 210 210 210 210 210 210 21	250 - VE 250 70 300 1 1 1 1 79-1 170 ARON	TO 350 TO	ABOVE	TOTAL BELTA WI

Table 89
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)

Gross Weight Range: 115,000 to 125,000 lb.

		ALT ITUE		10 2	,980 FEET			•		ALTITUE	M - 2,00	g (3A) 9	1,900 FBEY		
LOLD FACTOR		EGNIANT			E (KMDTS)	***	TOTAL	LOAD		ECNIAN			E (54875)		1014
DELTA NZ	LESS Than 170	190 100	200 TB 250	256 TD 360	300 TO 354	350 AND 480VI	OELTA NZ	FACTOR DELTA NO	LESS THAM 150	150 10 200	264 10 250 -	250 10 300	300 10 360	350 AND ADDVE	06LTA 142
ABOVE 1.8 1.4 TO 1.8 1.6 TG 1.4 0.6 TG 1.9 0.5 TG 0.4 0.5 TG 0.5 0.3 TB 0.3 0.2 TG 0.3	ıl	,					ı <del>,</del>	480VE 1.8 1.4 TO 1.8 1.8 TO 1.4 0.8 TO 1.6 0.5 TO 0.8 0.5 TO 0.6 0.4 TO 0.5 0.3 TO 0.5	1	5 19 163	3 1 11				3 4 31 193
	44 45		3				111	9.1 TO 0.2 -0.2 TO -0.1	78	542 445	223 203	,			889
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.4 BELOW -1.0	7	Ĭ	•				12	-0.2 t0 -0.2 -0.3 t0 -0.3 -0.4 t0 -0.4 -0.6 t0 -0.4 -1.6 t0 -0.8 BELOW -1.9	7	105 10 7	\$1 10				743 143 20 16
TIME (MIN)	35.8 93.8	24.9 87.2	2.6 10.6				66.7 161.6	TIME (MIM) MAUT MILES	132.7	234.2 732.6	42.2 231.4	3.3			402.3 1225.3
		ALT STUDE	- 5, <b>00</b> 0	10 1c	.000 FEET					ALT I TUB	6 - 10,000	TA 15	.000 PEET		
LGAD		EGNÍVALI		-	LICHOTSI		TOTAL	LGAD		£6n1AT			E (KMOTS)		TOTAL
FACTOR OBLTA 142	LESS THÂM 190	300 50 130	200 TO 250	250 10 300	300 10 350	350 AND 4004	DELTA NZ	PACTOR DRL TA MZ	LESS TMAN 190	150 TO	200 TO	250 TO	300 TO	350 400 40046	DELTA MI
ABOVE 1.4 1.4 TO 1.6 1.0 10 1.0 0.8 TO 1.0 0.5 TO 0.3 0.4 TO 0.3 0.3 TO 0.4 0.2 TO 0.3 0.1 TO 0.3		3	2	•	334	2004	2 12 61	ABOVE 1.6 1.4 TO 1.6 1.0 TO 1.0 0.6 TO 1.0 0.6 TO 0.6 0.4 TO 0.5 0.3 TO 0.4 0.2 TO 0.3	150	200	256 1 1	300	254	ASPYE	1 1 26
-0.2 TO -0.1		31	42				73	-0.2 70 -0.1		13	16	5			34
-0.3 TD -0.2 -0.4 TQ -0.3 -0.6 TQ -0.4 -0.6 TQ -0.0 -1.0 TQ -0.0 00LOW -1.0 TIME (MEN)			i				i	-0.1 7d -0.2 -0.4 TO -0.3 -0.6 TO -0.6 -0.8 TO -0.6 -1.0 TO -0.0 0ELOW -1.0 TIME (MIN)		1	1				ŧ
MAUT MELES		259.2	37.0 14 <b>8.</b> 0	7.5 34.9			448-5 151-1	MAUT MILES		92.0 122.4	43.2 201.4	19.9			143.3 <b>563.</b> 7
		4L 7 1 TUBE	- 15,000	70 2C.	00 <b>0</b> FEET					AL I I TUBE	- 20,000	TO 25,	000 FEET		
LOAS		6001 AVE			(KNOTS)		TOTAL	LOAD		EGNIANTE	MT AIRSP	ite - ve	(KNOTS)		TOTAL
PACTOR OBLTA LE	LESS THAM 190	190 190 200	200 70 250	250 10 300	300 10	VICAE 740 310	DELTA NE	FACTOR DELTA NA	LESS	190 TO	200 70 250	250 70 300	300 10	350 AND ABOVE	DELTA ME
480VE 1.8 1.4 TO 1.8 1.6 TO 1.4 6.6 TO 1.0 6.6 TO 6.4 6.5 TO 6.5 6.4 TO 6.3 6.3 TO 6.3 6.2 TO 6.3	130	2 1 1 2 10 17	1 5 23	**	340	VICAE	2 2 0 81 82 42 213	ABOVE 1.8 1.4 TO 1.8 1.0 TO 1.4 0.8 TO 1.4 0.6 TO 0.8 0.5 TO 0.5 0.2 TO 0.7 0.2 TO 0.7	<b>130</b>	200 2 14 37 202	250 3 15 44 334	300 13	134	ABOVE	2 3 29 101 349
-9.2 TO -6.1 -6.5 TO -6.2 -6.4 TO -6.3 -6.6 TO -6.4 -1.6 TO -6.6 68.00 -1.0		100	167 29 8 2				273 46 17 2	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6		300	324 50 11	"			105 90 20 8
TIME CHINI	28.5	120.6	249.1 1164.9	2.6			307.2 1704.3	GELOW -1.8 Time (min) Mau? Miles	15.0	1000.4	710.3 3482.3	105.4 636.1			1237.3
			- 25,000	10 30,0	<b>40</b> FEET					,					
1.000		-	IT ALBSME	e - , ve	(27042)		TOTAL								
LOAD PACTOR ATLANA	LESS	156 70 800	206 07 256	256 70 300	300 78 300	350 400 40075	DELTA NE								
ABOVE 1.0 1.4 TO 1.0 1.0 TS 1.0 6.6 TO 1.0 6.6 TO 0.0 6.9 TS 6.0 6.1 TS 6.3 6.1 TS 6.3 6.1 TS 6.3 6.1 TS 6.3	196	500	536	360	390	40095	10								
-6.2 10 -6.1 -6.3 10 -6.2 -6.4 10 -6.3 -6.6 10 -6.6 -6.6 10 -6.6 -6.6 10 -6.6 11.6 10 -6.6 11.6 10 -1.0 11.6 10 -1.0	.1.1	11 200.1					654.4 2944.4								
MARI WITE	50-0	4411.6					2704.4								

Table 90
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)
Gross Weight Range: 125,000 to 135,000 lb.

		ALTITUDE :			000 FBET (#1075)					ALTITUDE CONTANTO			100 FEET		TOTAL
LONG FACTOR DOLTA ME	736 1860 7622	153 76 200	200 78 250	290 10 200	300 70 300	100 140 140	TOTAL BOLTA NA	FACTOR DELTA ME	LESS TIME 170	190 70 200	200 70 256	790 76 300	76 76 766	### ### ######	OFLTA NE
ASSUE 1.0 1.4 TO 1.6 1.0 TO 1.6 0.3 TO 1.6 0.4 TO 0.4 0.5 TO 0.3 0.1 TO 0.3 0.1 TO 0.3 0.1 TO 0.3	· <del>···</del>	.;					<b>8</b>	ABOVE 1.8 1.4 TB 8.8 1.0 FB 1.6 6.0 TB 6.5 6.5 TB 6.6 6.4 TB 6.5 6.3 TB 6.6 6.2 TB 6.6 6.2 TB 6.6 6.2 TB 6.2		3 10 33 132	1 1 20 76 204	.;	~		1 30 112 400
-0.2 TO -0.1 -0.3 TO -0.2 -0.0 TO -0.3 -0.6 TO -0.4 -0.0 TO -0.6 -1.0 TO -0.6 Time (NILE)	ï	10					10	-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.6 -0.0 TO -0.6 -1.0 TO -0.0 TIME (440) MAGY MILES	3	120 32 3	236 50 12	15			270 98 15 7
avni wirez Lime inipi Afrim -1'0 -1'0 10 -0'8	7.1 10.6	13.2 41.7	3.1 12.4	13.2			36.1 66.1	ALTER CATES	2.4 7.4	96.8 881.6	73.9 270.1	4.7			172.3 101.1
1040		ALTITUDE -	I AJASM	160 - WE	(EMD75)		TOTAL	Leán		ALTETUSS		E110 - AE	IGNITS)		19744
LOAD FACTOR DELTA IN	LESS THAN 190	156 T0 200	200 78 250	290 10 300	300 18 350	350 400 4007E	DELTA NE	Pactor Pactor Selta de	LESS Tudes 190	150 70 200	700 70 250	250 10 300	366 76 358	150 160 160 160 160 160 160 160 160 160 16	DELTA M
ADDYE 1.0 1.4 TO 1.4 0.0 TO 1.4 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.5 0.3 TO 0.5 0.2 TO 0.5 0.2 TO 0.5	•••			,,			13	ACCVE 1.0 1.4 10 1.3 1.0 10 1.4 0.0 10 1.0 0.1 10 0.0 0.1 10 0.0 0.1 10 0.5 0.1 10 0.3 0.1 10 0.3	•	•••	•••				
-0.2 70 -0.1 -0.3 70 -0.2 -0.4 70 -0.3 -0.6 70 -0.6 -1.6 70 -0.6 -1.6 70 -0.6 -1.6 70 -0.6		*		i			Ţ	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 1100 -1.6 1100 -1.6 1100 -1.6			1				1
delen -1.0 Time (min) hart miles		34.3 117.4	***	3.2			66.7 225.7	ting initits		39.1 207.5	12.1	10.3			?3.2 271.2
LQ40		ALTITUDE -	ALASM	10 - W	(41074)		19144	L GAD FACTOR		ALTITUDE FOULVALOR	t Alese	180 - W	(#1075)	•••	10144
PACTOR OFLYA NA	190 190	100 10 100	120 10 100	10 10	16 16	100 100 100	<b>86178 NF</b>	96/17 45	1955 Tinda 196	100 10 100	10 10	799 70 700	300 10 250	regat THE THE	<b>ML114 41</b>
4809E 1.6 1.4 78 1.4 1.6 78 1.4 1.6 78 1.0 0.6 70 0.5 0.9 79 0.1 0.5 78 0.1 0.2 78 0.2 0.2 78 0.3		2 11	1 2 87				1 3	ADDRE 1.0 1.4 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.5 TO 0.0 0.5 TO 0.0 0.3 TO 0.0 0.3 TO 0.0		<u>.</u>					31
-0.2 70 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.0 70 -0.4 -1.0 10 -0.4 001.00 -1.0 11.00 (0.0) 00.00 (0.0)		16	ų				ï	4.1 10 -4.1 4.1 10 -4.1 4.1 10 -4.1 4.1 10 -4.1		1	i e	•			**
serer -1.0	11.9	00.3 103.1	75.3 362.6	12.			149-0	100 -1.0 -100 10001 0001 01.01	8.0 31.3	1907.4	10.1	****			43.4 1111.1

Table 91
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission III (Training)
Gross Weight Range: 135,000 lb. and Above

LOAD FACTOR DELTA ME	LESS THAN 190	ALTITUDE EQUIVALOR 10 200			2,000 FEET 16 IEMPTS1 300 TO 350	390 660	TOTAL BELTA ME	LOAD FACTOR OCLTA RE	LESS Tues	ALTITUDE EQUIVALEN TO 200		70 5, 250 - 46 70 360	1640 FEET 1640751 300 10 350	350 400 400yt	TOTAL DELTA NA
1.0 10 1.0 1.0 10 1.0 1.0 10 1.0 0.0 10 1.0 0.0 10 0.0 0.5 10 0.0 0.5 10 0.5 0.3 10 0.4 0.2 10 0.2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	-	150	ARRIVE	1 1 0	AGOVE 1.0 1.4 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.6 TO 0.0 0.4 TO 0.2 0.3 TO 0.2 0.3 TO 0.2 0.1 TO 0.2	190	3 43	250 21	349	194	VOCAT	3 76
-0.2 TG -0.1 -0.3 TG -0.2 -0.4 TG -0.4 -0.6 TG -0.4 -0.6 TG -0.6 -1.0 TG -0.6 -1.0 TG -0.6 TIPE (BIB)	; ;;	1 3.3	•••				37 5 1	-0.2 T0 -0.1 -0.3 T0 -0.2 -0.4 T0 -0.3 -0.6 T0 -0.6 -0.8 T0 -0.6 -1.0 T0 -0.6 01.00 -1.0 T105 (NAM)		34 1 1	13 4				13-1
most miles	4.4	10.0	2.1				27.5	may miles		24.1	10.0				13.1

1,000		61.7174 <b>00</b> <b>70</b> 41744.01		: 10   10,000 PEET	PPEAL	Lane			9, <b>00</b> 0 TO .	trione feet WE (KNOTS)	IOTAL	
PACION DEL TA NA	LESS Trides 196	10 200	190	290 300 10 119 300 300	990 990 980 980 980 980 980 980 980 980	FACTOR DOLLA OL 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	100 (	196 2 19 190 2	36 250 10 10 10 300	300 10 350	150 400 oflis wi above	
0.1 10 6.5 0.3 10 6.4 0.2 10 6.3 0.1 10 6.2			1.3		,					,	,	
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.6 -0.8 10 -0.6 -1.9 10 -0.8		ŋ	•		**	-0.2 10 -0.1 -0.3 10 -0.2 -0.6 10 -0.3 -0.6 10 -0.6 -0.6 10 -0.6 -1.6 10 -0.6			**	•	**	
appl mires		80.1	5.5 29.4		29.7 100.4	Time cares				,	122.0	

Table 92
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)
Gross Weight Range: 85,000 to 95,000 lb.

LGAO		ALT I TUBE	MT AIRS	660 - W	.000 FEET E (KMBTS)		TOTAL	L048_		GONIANT		610 - AE	(KNOTS)		TOTAL
FACTOR DELTA NA	LESS TH <b>AN</b>	150	500	250 18	300	350 Mil	DELTA ME	FACTOR DELTA RE	LESS TH <b>AR</b>	150 10	200	250	300 10	350 MD	OXLTA ME
ACC 1- 40	150	700 700	76 290	300	70 350	ABOVE	A6518 40	Dec. 101	150	300	70 250	70 300	350	ABOVE	0×6+# ##
ABOVE 1.0	***							ARRYE 1.8	•••	***					
1.4 TO 1.4 1.0 TO 1.4 0.0 TO 1.0								1.4 70 1.8							
1.0 TO 1.4								0.0 70 1.4							
0.4 10 0.0			1					6.4 IG 6.6							
0.5 10 0.4		2	ě				ě	0.5 70 0.6		•	3				•
0.4 10 0.5		10	16				27	0.4 10 0.5	_		51				26 127 423
0.3 TO 6.4 0.2 TO 0.3		31 148					104	0.3 TO 0.4 0.2 TO 0.3		.34	.97				127
0.4 TO 0.5 0.3 TO 6.4 0.2 TO 0.3 0.1 TO 6.2	32 32	341	16 69 261 608				1899	0.1 16 0.2	14 62	114 547	21 92 295 1120				1749
-0.2 10 -0.1	295	376	444				1337	-0.2 10 -0.1	62	534	1045				1441
-0.3 10 -0.2	53	191	229 88 24				390	-3.3 TO -6.2	LO	143 34 21	297				450
-0.4 TO -0.3 -6.4 TO -0.4	•	43	80				127	-0.4 TB -0.3 -0.4 TB -0.4	•	36	93				450 132 45
-8.4 TD -8.4 -6.6 TD -6.6			24				37	-0.8 10 -0.4		- 4	23				•;
-1.0 10 -0.0								-1.0 10 -4.4		•	•				•
06LON -1.0								68LON -1.0							
ting (min)	179.0	111.7	131.5				422.9	TIME (MIN)	88.4	200.2	395.2	14.0			785.9
MAUT MILES	341.5	341.8	477.4				1210.6	MAUT MILES	207.4	917.6	1452.1	63. 7			2041.1

LOAD FACTOR DOLTA ME	LESS THAP 190		- 9,000 MT ALASP 200 TO 250		 350 AMD ABOVE	TOTAL
ABOVE 1.0 1.4 TO 1.4 1.0 TO 1.4 0.0 TO 0.8 0.5 TO 0.8 0.5 TO 0.8 0.3 TO 0.9 0.2 TO 0.3 0.2 TO 0.3		1	1			1 19
-6.2 TG -6.1 -6.3 TG -6.2 -6.6 TG -6.3 -6.6 TG -6.4 -6.6 TG -6.6 -1.0 TG -6.8			17	t		17
ting inini	4.7 22.7	101.3 200.7	44.4 253.7	3-6 17-3		110.0

Table 93 Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)

Gross Weight Range: 95,000 to 105,000 lb.

		ALTITUDE FOUTVALE			100 FEET						E - 2,000 But ainsf		000 FEET		
LGAD FACTOR DELTA 92	LESS IMAN 130	156 78 204	200 TB 290	250 18 300	300 16 350	350 448 4007E	TOTAL DELTA NJ	FACTOR PACTOR DOLTA DE	LESS THAN 156	190 10 200	200 10 256	250 18 300	300 TO 350	350 AMD ADDVE	TOTAL BELTA ME
ABOVE 1.6 1.4 TO 1.6 1.8 FG 1.4 0.8 TG 1.4 0.5 TG 0.6 0.5 TG 0.5 0.4 TG 0.5 0.3 TG 0.4 0.2 TG 0.3 0.1 TG 0.2	130 1 2 5 74 546	2 14 45 234 901	3 23 91 422 1751 4225	0 10 01 01 01 01 01 01 01 01 01 01 01 01	334	****	3 26 113 400 2130 7074	ABGVE 1.9 1.4 TO 1.0 1.0 TO 1.0 0.0 TO 1.0 0.3 TO 0.5 0.3 TO 0.5 0.3 TO 0.5 0.1 TO 0.5 0.1 TO 0.5	42 363	200 1 34 279 1904	7 7 26 99 362 1517 5272	1 5 13 39 157	354	ANOVE	26 107 615 1860 7325
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -2.6 10 -0.4 -0.8 10 -0.6 -1.0 10 -0.8	504 46 10	997 239 41	4547 1730 372 101 3	222 59 12 7			2005 441 116 3	-0.2 19 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.6 -1.0 10 -0.6 36100 -1.0 Time (min)	410	1565 256 56 13	100 100 100 112	104 33 14 6			7100 1003 413 134 3
MAUT MILES	593.9 1313.3	493.8 1488.7	1000.5 3704.5	20.0 166.4			2114.3	TIME (MIN) MANT MILES	477.3 1139.4	1095.0 3455.3	1637.5 6125.4	127.4 561.2			) 337.5 11301.3
LCAB Factor	LESS	EGNEAN		469 - W	(RMOTS)	350	TOTAL.	LGAÐ FACT <b>G</b> R	LESS	CONTANT		410 - WE	(EMDTS)	114	10144
061.TA M2 ABGVE 1.0 1.4 TG 1.0 1.6 TG 1.0 0.6 TG 0.0 0.5 TG 0.0 0.4 TG 0.3 0.3 TG 0.0 0.2 TG 0.3	196 196	190 18 200	200 100 250	250 70 340	300 10 334	350 440 400VE	;	AGOVE 1.8 1.4 TO 1.8 1.4 TO 1.4 0.0 TO 1.6 0.3 TO 0.8 0.3 TO 0.5 0.3 TO 0.5 0.2 TO 0.5	194 194	190 70 200	700 250	290 10 100	100 10 330	150 448 4807E	0
-6.2 TO -6.1 -6.3 TO -6.2 -6.4 TO -6.3 -6.6 TO -6.4 -7.0 TO -6.4		,	25 25	1			37 34	-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.4		15	33				49
ectou -1.4 Timi imimi maut miles		107.4 434.4	93.5 372.0	M.1			200.4 1945.0	Time (min) Time (min) Mout miges	1.3	701.4 705.6	973.0	11.3			1735-1
L 040 PACTON ONLYA NA	4.813 7060 199	100 100 100 100 100 100 100 100 100 100	1 - 19,000 Put Albis 200 10 210		100 FEST (EMPTS) 300 70 300	310 840 84001	TOTAL								
00000 1.5 1.4 10 1.4 1.0 10 1.4 0.6 10 1.0 0.5 10 0.6 0.5 10 0.5 0.1 10 0.5 0.2 10 0.5 0.1 10 0.5	119	, , ,	ziŏ	<b>366</b>	zič	450	,								
-0.2 TO -0.1 -0.3 TO -0.2 -0.4 TO -0.3 -0.6 TO -0.4 -0.8 TO -0.6 -1.0 TO -0.0 -1.0 TO -0.0 -1.0 TO -0.0 -1.0 TO -0.0	1.0 3.2	2.1	<b>*</b>				3.0 3.0								

Table 94
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)
Gross Weight Range: 105,000 to 115,000 lb.

ACT TO GAS OF THE CASE OF THE	LESS Tudo LSO AS SIO	44.117466 2007744,6 200 200 1 1 1 1 2 40 207 3166	3 9 310 110 110 110 110 110 110 110 110 110	10 2, 100 - 10 100 100 100	1000 FOOT 1000TE3 200 TO 200	200 400 400 400 1	TOTAL SOLTA 92 30 40 40 40 911 1117 6472	AGNO PACTOR GOLD TO THE PACTOR G	LESS Main 190 190 22	44, 71 Public Equity 44, 1 100 200 200 2 31 31 30 200			(00 POET (60075) 300 70 300	340 460 400+1	1074L 161.74 ME 1 3 40 106 170 1004
-0.2 f0 -0.1 -0.3 f0 -0.2 -0.0 f0 -0.3 -0.6 f0 -0.6 -0.8 f0 -0.6 -0.8 f0 -0.8	576 43	1171 299 94 10	176 176 1	252 35 3			1200 1200 510 1	-0.2 70 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.6 -1.0 10 -0.6 -1.0 10 -0.8	397 56 2	30 130 901	2422 485 199 42 1	12			100
TIME (MIR) MAUT MILES	1096.4	1900.0	1275.8 4011.0	71.2			2364.9 773 <b>4.</b> 7	TIME IMMIT MANT MOLES	279.0	1000.7	700.2 2000.0	305.7	2;		1761.2 5667.1
		ALTETURE EQUIVALE	-	76 14,6	100 FEET		TODA A			ALTITUDE CONTRALE	- 18,000 MF 6305F		100 FEET		
LGAD FACTOR ON LIA ME	LEIS Tracej 190		-			350 460 460VE	TOTAL DOLTO OE	LOSO PACTOR OCITOR OC	U116	-				390	iora, Blia ne
FACTOR  001 14 M2  ACCOUNT 14 M2  14 70 14 M2  14 70 14 M2  14 70 14 M2  15 70 15 M2  16 70 6 M2  16 70 70 70 70 70 70 70 70 70 70 70 70 70	190 190	199 10 10	ef ajas#	190 - Vd 290 190 100 100	18887\$1 306 70	750 460 46046		### ### ### #### #####################	Tinks:	190	100 100	100 - W 200 10	(mu011) 300 70	)90 MRZ \$	-
FACTOR  OTATIA NE  ASSUS 1.0 1.0 TO 2.0 1.0 TO 2.0 1.0 TO 1.0 0.0 TO 1.0 0.0 TO 0.0 0.1 TO 0.0	Trace	Equivals 120 16 190	ef alesfe 200 TO	190 - W 290 100 100	18887\$1 306 70	150 160 160 160 160 160 160 160 160 160 16	BELTA OF	PACTOR AND TO SERVICE STATE ST	Tinks:	CONTROLS 100 PCT	100 100	100 - W 200 10	(mu011) 300 70	)90 MRZ \$	J Griv M
FACTOR  ACCUSTON TO THE CONTROL OF T	190 190	190 190 190 190 190 190 190 190 190 190	nt ates# ee re re re	150 - W 250 W W Nop	18887\$1 306 70	360 460 460)0	3 00 00	## COMM	Tinks:	CONTROLS 100 PCT	200 200 300 300 200	100 - W 200 10	(mu011) 300 70	)90 MRZ \$	J Griv M

Table 95
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)
Gross Weight Range: 115,000 to 125,000 lb.

1,000 PACTOR BOL 10 BY	LESS THE	ALTITUME PROTYALISM LIMI LIMI LIMI LIMI		19 14 140 - 16	HAD POET	1984s, 200 600 - 001 fo mi	Adeq Picture Marie M	U510 1700 170	ALTOTAGE SENTENCE LOS SE	- A-SOC pt alphase 200 20	***	HOLD POET	100 M124 M	<b>)</b> .
	1 pr	-	100				1000 L4 L10 100 L4	) #	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	£2	•			
	**	74	<b>'11</b>				***************************************	7	***	100	•		han a	
		3000-3		27		11111		100.1	1		ı.Li		146.1	

Table 96
Incremental Gust Load Facebooks by Equivalent Airspeed and Altitude
Mission 28 (Aerial Delivery)
Gross Weight Range: 125,000 to 135,000 lb.

		ALTSTUME -	4 71	2,000 FEE	ı			44,11144E -	2,400	10 1,000 FEET	
1 253		ESP   VALLENT	A1410648	- WE (4.00TS	1974	LONG		taniva.m:	AIRAPE	(0 - W (CASTS)	TOTAL
31 met 178	35 40 90	150 70 200	206 2 10 296 1	10 100 10 10 00 350	MO DELTA ME	FACTOR BOLTA IN	196	110 10 200	200 10 250	250 100 10 10 140 100	750 AND DELTA NA
ABOVE 1.8 1.0 10 1.0 1.0 10 1.0 6.0 10 1.0 0.1 10 0.0		•		-		ACCVE 1.0 1.4 TC 1.0 1.0 TC 1.4 0.6 TC 1.6 0.6 TO 0.8 0.5 TO 0.4					
6.3 10 6.5 8.3 12 5.4 8.3 30 6.3 6.1 10 6.2	7	•			11	6.4 16 6.5 6.3 18 6.4 6.2 16 6.3 6.1 18 6.2		11 37	1 9 10 16		;
-0.2 10 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.8 10 -0.6	1	•			î	-0.2 (0 -0.1 -0.3 10 -0.2 -0.4 10 -0.3 -0.6 10 -0.4 -0.6 10 -0.6 -1.0 10 -0.8 66100 -1.0		<b>2</b> ;	94 10 9		1 23 5 1
	2.4 5.4	3-3 10-4			9.3 19.6	time (min)		23-2 7-3	9.8 16.0		17-1 90-3

Table 9?
Incremental Gust Load Factors by Equivalent Airspeed and Altitude
Mission IV (Aerial Delivery)
Gross Weight Range: 135,000 lb. and Above

1810		ALTITUSE -	* 41854	<b>cs</b> - 92	(AM PRE)		10144	L GAG PACTOE		ALTITUM -	4185#	160 - W	000 FEET		TOTAL
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Systems Engineering Group Wright-Patterson AFB, Ohio

13. ADSTRACT

To provide information for the derivation of the operational loads spectrum of C-130E aircraft, this report presents the 6317 hours of in-flight data processed during a C-130E structural loads program. Of the thirty-five C-130E's instrumented to collect the data, 20 were tased at Charleston Air Force Base to fly MATS EASTAF transatlantic routes and 15 at Travis Air Force Base to fly MATS WESTAF transpacific routes. Four parameters basic to flight loads studies were recorded: time, airspeed, altitude, and normal acceleration at the aircraft center of gravity. Included among the variables derived from the basic parameters are equivalent maneuver load factor and derived gust velocity. Techniques used to process and analyze the data are discussed. A supplement to this report presents the derived gust velocities by season and MATS routes. None of the loads sustained by these aircraft exceeded the design limits.

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